Form 3160-3
(September 2001)

FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.: UTU-096547

6. If Indian, Allottee or Tribe Name: N/A

1a. Type of Work: [x] DRILL [ ] REENTER

7. If Unit or CA Agreement, Name and No.: Jonah Unit

1b. Type of Well: [x] Oil Well [ ] Gas Well [ ] Other [x] Single Zone [ ] Multiple Zone

8. Lease Name and Well No.: Jonah Federal G-14-9-16

2. Name of Operator: Newfield Production Company

9. API Well No.: 43-013-34083

3a. Address: Route #3 Box 3630, Myton UT 84052

3b. Phone No. *(include area code)*: (435) 646-3721

10. Field and Pool, or Exploratory: Monument Butte

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*

At surface: NE/NW 457' FNL 1827' FWL

At proposed prod. zone: 1350' FNL 1345' FWL

11. Sec., T., R., M., or Blk. and Survey or Area: Sec. 14, T9S R16E

14. Distance in miles and direction from nearest town or post office*: Approximatley 17.0 miles southwest of Myton, Utah

12. County or Parish: Duchesne

13. State: UT

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any): Approx. 1295' f/lse, 3935' f/unit

16. No. of Acres in lease: 600.00

17. Spacing Unit dedicated to this well: 20 Acres

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.: Approx. 1337'

19. Proposed Depth: 5970'

20. BLM/BIA Bond No. on file: WYB000493

21. Elevations (Show whether DF, KDB, RT, GL, etc.): 5600' GL

22. Approximate date work will start*: 4th Quarter 2008

23. Estimated duration: Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature: Mandie Crozier — Name *(Printed/Typed)*: Mandie Crozier — Date: 8/28/08

Title: Regulatory Specialist

Approved by *(Signature)*: — Name *(Printed/Typed)*: BRADLEY G. HILL — Date: 09-29-08

Title: — Office: ENVIRONMENTAL MANAGER

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**(Instructions on reverse)*

Federal Approval of this Action is Necessary

RECEIVED
SEP 10 2008
DIV OF OIL, GAS & MINING

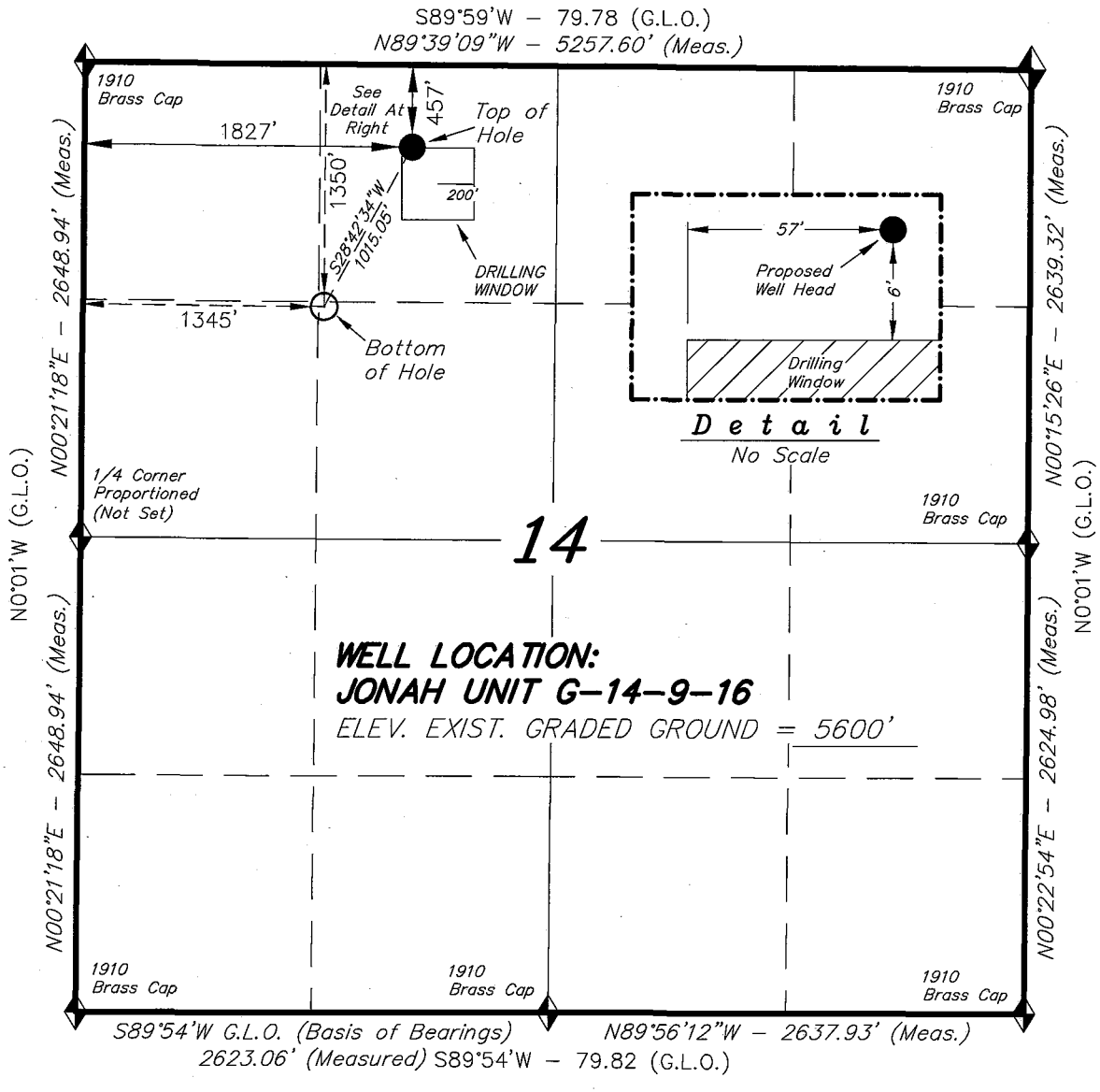
Surf
577739X
4432029Y
40.036801
-110.088819

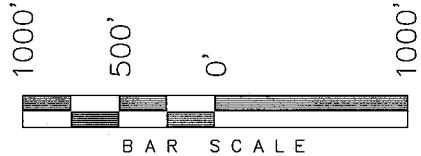
BHL
577594X
4431754Y
40.034347
-110.090551

T9S, R16E, S.L.B.&M.

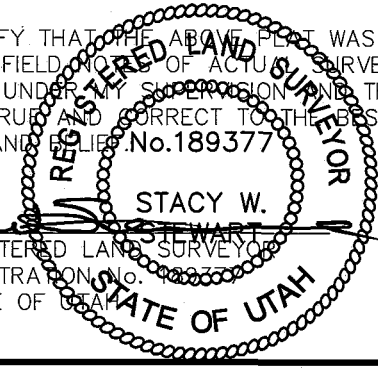
NEWFIELD PRODUCTION COMPANY

WELL LOCATION, JONAH UNIT G-14-9-16, LOCATED AS SHOWN IN THE NE 1/4 NW 1/4 OF SECTION 14, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.





THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



STACY W. STEWART
REGISTERED LAND SURVEYOR
REGISTRATION No. 189377
STATE OF UTAH

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV;
U.S.G.S. 7-1/2 min QUAD (MYTON SE)

JONAH UNIT G-14-9-16
(Surface Location) NAD 83
LATITUDE = 40° 02' 12.05"
LONGITUDE = 110° 05' 22.11"

TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 03-17-08	SURVEYED BY: T.H.
DATE DRAWN: 06-05-08	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

NEWFIELD PRODUCTION COMPANY
JONAH FEDERAL G-14-9-16
AT SURFACE: NE/NW SECTION 14, T9S, R16E
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. ***GEOLOGIC SURFACE FORMATION:***

Uinta formation of Upper Eocene Age

2. ***ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:***

Uinta	0' – 1417'
Green River	1417'
Wasatch	5970'

3. ***ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:***

Green River Formation 1417' – 5970' - Oil

4. ***PROPOSED CASING PROGRAM***

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

5. ***MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:***

Please refer to the Monument Butte Field SOP. See Exhibit "C".

6. ***TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:***

Please refer to the Monument Butte Field SOP.

7. ***AUXILIARY SAFETY EQUIPMENT TO BE USED:***

Please refer to the Monument Butte Field SOP.

8. ***TESTING, LOGGING AND CORING PROGRAMS:***

Please refer to the Monument Butte Field SOP.

9. ***ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:***

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

10. ***ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:***

Please refer to the Monument Butte Field SOP.

NEWFIELD PRODUCTION COMPANY
JONAH FEDERAL G-14-9-16
AT SURFACE: NE/NW SECTION 14, T9S, R16E
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. *EXISTING ROADS*

See attached Topographic Map "A"

To reach Newfield Production Company well location site Jonah Federal G-14-9-16 located in the NE 1/4 NW 1/4 Section 11, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles ± to the junction of this highway and UT State Hwy 53; proceed southeaterly – 9.2 miles ± to it's junction with an existing dirt road to the southwest; proceed southwesterly – 4.8 miles ± to it's junction with an existing road to the southeast; proceed southeasterly – 0.9 miles ± to it's junction with an existing road to the northeast; proceed northeasterly – 0.1 miles ± to it's junction with the beginning of the access road to the existing Mon. Fed. 21-14J-9-16 well lcoation.

2. *PLANNED ACCESS ROAD*

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing Mon. Fed. 21-14J-9-16 well pad. See attached **Topographic Map "B"**.

3. *LOCATION OF EXISTING WELLS*

Refer to Exhibit "B".

4. *LOCATION OF EXISTING AND/OR PROPOSED FACILITIES*

The proposed well will be drilled directionally off of the Mon. Fed. 21-14J-9-16 well pad. There will be a pumping unit and a short flow line added to the tank battery for the proposed Jonah Federal G-14-9-16. All permanent surface equipment will be painted Carlsbad Canyon.

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

5. *LOCATION AND TYPE OF WATER SUPPLY*

Newfield Production will transport water by truck for drilling purposes from the following water sources:

Johnson Water District
Water Right : 43-7478

Neil Moon Pond
Water Right: 43-11787

Maurice Harvey Pond
Water Right: 47-1358

Newfield Collector Well

Water Right: 41-3530 (A30414DV, contracted with the Duchesne County Conservancy District).

Please refer to the Monument Butte Field SOP. See Exhibit "A".

6. ***SOURCE OF CONSTRUCTION MATERIALS***

The proposed Jonah Federal G-14-9-16 will be drilled off of the existing Mon. Fed. 21-14J-9-16 well pad. No additional surface disturbance will be required for this location.

7. ***METHODS FOR HANDLING WASTE DISPOSAL***

Please refer to the Monument Butte Field SOP.

8. ***ANCILLARY FACILITIES***

Please refer to the Monument Butte Field SOP.

9. ***WELL SITE LAYOUT***

See attached Location Layout Diagram.

10. ***PLANS FOR RESTORATION OF SURFACE***

Please refer to the Monument Butte Field SOP.

11. ***SURFACE OWNERSHIP*** - Bureau Of Land Management (Proposed location and access roads leading to).

12. ***OTHER ADDITIONAL INFORMATION***

Water Disposal
Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), State of Utah approved surface disposal facilities, or Federally approved surface disposal facilities.

Threatened, Endangered, And Other Sensitive Species
Golden Eagle: Due to this proposed well access roads proximity (less that 0.5 mile) to an existing inactive golden eagle nest site, no new construction or surface disturbing activities will be allowed between Feb 1 and July 15. If the nest remains inactive on July 15th (based on a pre-construction survey by a qualified biologist), the operator may construct and drill the location between July 15 and Feb. 1 of the following year. If the nest site becomes active prior to July 15, no new construction or surface disturbing activities will be allowed within 0.5 mile of the nest until the nest becomes inactive for two full breeding seasons. In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

Great Horned Owl: Due to the proximity of the location to active great horned owl nest, there is the potential to encounter nesting great horned owls between February 1 and July 15. If new construction or surface disturbing activities are scheduled between February 1 and July 15, pre-construction surveys will be conducted to detect the presence of nesting great horned owls within 0.5 mile of any new construction or surface disturbing activity (see Vernal BLM Field Office

Protocol). No new construction or surface disturbing activities will be allowed between February 1 and July 15 within a 0.5 mile radius of any active great horned owl nest.

Reserve Pit Liner
A 16 mil liner with felt is required. Please refer to the Monument Butte Field SOP.

Location and Reserve Pit Reclamation
Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Squirrell Tail	*Elymus Elymoides*	6 lbs/acre
Siberian Wheatgrass	*Agropyron Fragile*	2 lbs/acre
Gardner Saltbush	*Atriplex Gardneri*	1 lbs/acre
Shadscale	*Atriplex Confertifolia*	1 lbs/acre
Fourwing Saltbush	*Atriplex Canescens*	1 lbs/acre
Scarlet Globemallow	*Sphaeralcea Conccinea*	0.20 lbs/acre
Forage Kochia	*Kochia Prostrata*	0.20 lbs/acre

Details of the On-Site Inspection
The proposed Jonah Federal G-14-9-16 was on-sited on 7/16/08. The following were present; Kevan Stevens (Newfield Production), Michael Cutler (Bureau of Land Management), Brandon McDonald (Bureau of Land Management), and James Herford (Bureau of Land Management). Weather conditions were clear and ground cover was 100% open.

LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

Name:	Dave Allred
Address:	Route #3 Box 3630
	Myton, UT 84052
Telephone:	(435) 646-3721

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #G-14-9-16 NE/NW Section 14, Township 9S, Range 16E: Lease UTU-096547 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

8/28/08
Date

Mandie Crozier
Regulatory Specialist
Newfield Production Company

NEWFIELD

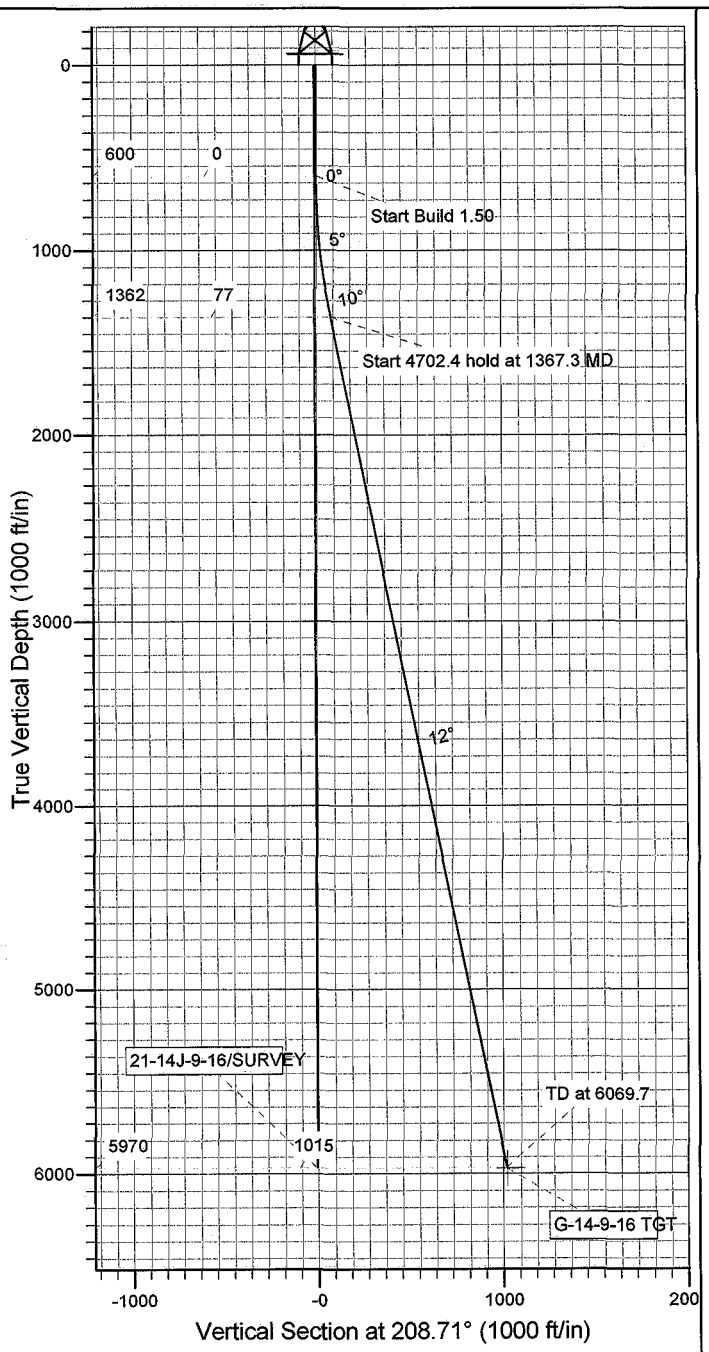
Project: USGS Myton SW (UT)
Site: SECTION 14 T9S, R16E
Well: G-14-9-16
Wellbore: Wellbore #1
Design: Design #1

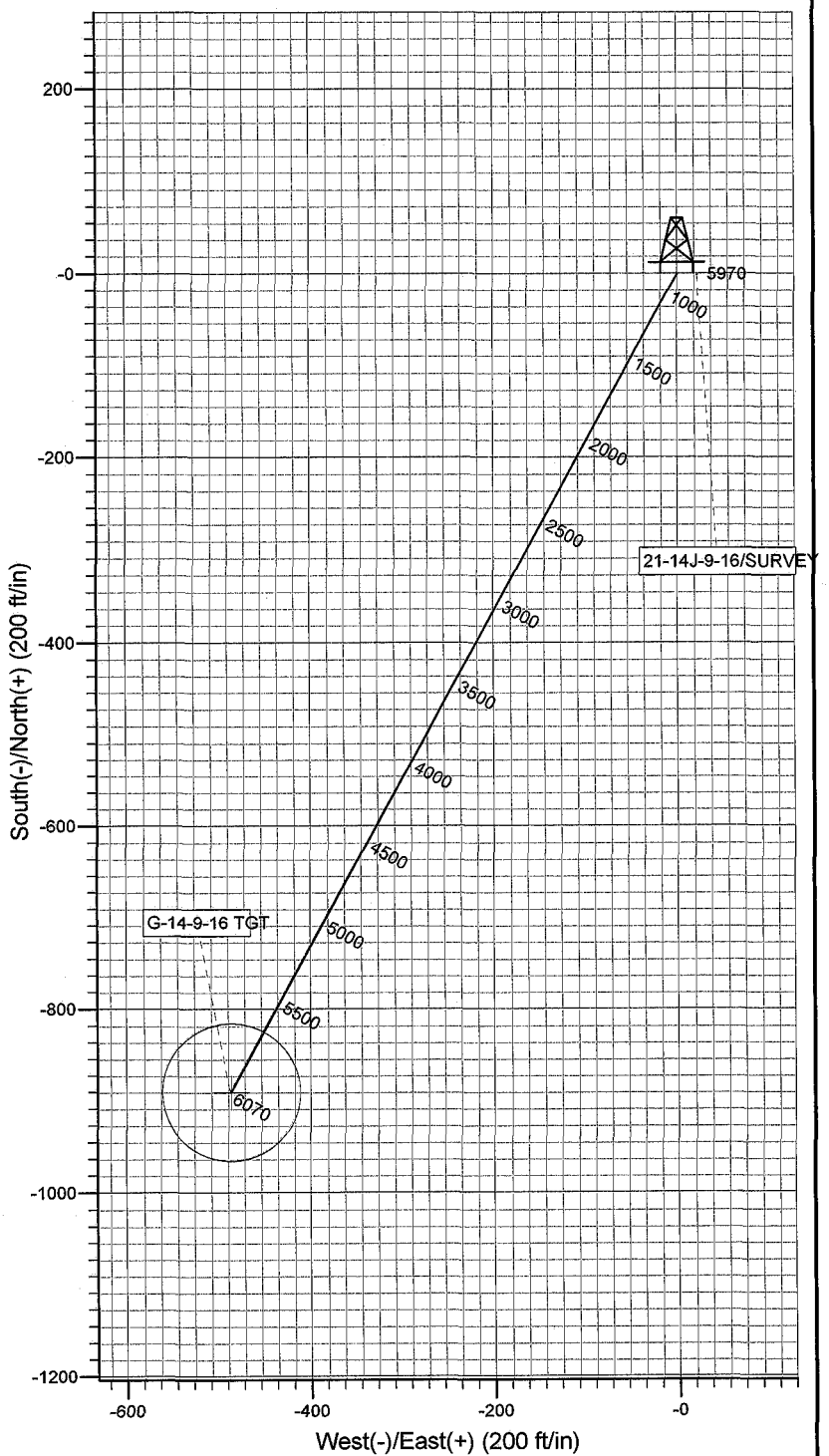
T M

Azimuths to True North
Magnetic North: 11.66°

Magnetic Field
Strength: 52560.7snT
Dip Angle: 65.86°
Date: 9/8/2008
Model: IGRF200510

KOP @ 600'
DOGLEG RATE 1.5 DEG/100
TARGET RADIUS IS 75'
OFFSET WELL 21-14J-9-16 NO DATA





WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
G-14-9-16 TGT	5970.0	-890.3	-487.6	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1367.3	11.51	208.71	1362.1	-67.4	-36.9	1.50	208.71	76.8	
4	6069.7	11.51	208.71	5970.0	-890.3	-487.6	0.00	0.00	1015.0	G-14-9-16 TGT

HATHAWAY BURNHAM
DIRECTIONAL & MWD SERVICES

NEWFIELD

NEWFIELD EXPLORATION

USGS Myton SW (UT)
SECTION 14 T9S, R16E
G-14-9-16

Wellbore #1

Plan: Design #1

Standard Planning Report

08 September, 2008

HATHAWAY HB BURNHAM
DIRECTIONAL & MWD SERVICES

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Well G-14-9-16
Company:	NEWFIELD EXPLORATION	**TVD Reference:**	G-14-9-16 @ 5612.0ft (RIG#1)
Project:	USGS Myton SW (UT)	**MD Reference:**	G-14-9-16 @ 5612.0ft (RIG#1)
Site:	SECTION 14 T9S, R16E	**North Reference:**	True
Well:	G-14-9-16	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA		
Map System:	US State Plane 1983	***System Datum:***	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		Using geodetic scale factor

Site	SECTION 14 T9S, R16E, SEC 14 T9S, R16E				
Site Position:		**Northing:**	7,183,007.00 ft	**Latitude:**	40° 1' 50.269 N
From:	Lat/Long	**Easting:**	2,036,124.00 ft	**Longitude:**	110° 5' 12.324 W
Position Uncertainty:	0.0 ft	**Slot Radius:**	"	**Grid Convergence:**	0.91 °

Well	G-14-9-16, SHL LAT: 40 02 12.05, LONG: -110 05 22.11					
Well Position	**+N/-S**	2,204.1 ft	**Northing:**	7,185,198.57 ft	**Latitude:**	40° 2' 12.050 N
	+E/-W	-761.2 ft	**Easting:**	2,035,328.18 ft	**Longitude:**	110° 5' 22.110 W
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	ft	**Ground Level:**	0.0 ft

Wellbore	Wellbore #1				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF200510	9/8/2008	11.66	65.86	52,561

Design	Design #1				
Audit Notes:					
Version:		**Phase:**	PROTOTYPE	**Tie On Depth:**	0.0
Vertical Section:	**Depth From (TVD) (ft)**	**+N/-S (ft)**	**+E/-W (ft)**	**Direction (°)**	
	0.0	0.0	0.0	208.71	

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,367.3	11.51	208.71	1,362.1	-67.4	-36.9	1.50	1.50	0.00	208.71	
6,069.7	11.51	208.71	5,970.0	-890.3	-487.6	0.00	0.00	0.00	0.00	G-14-9-16 TGT

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Well G-14-9-16
Company:	NEWFIELD EXPLORATION	**TVD Reference:**	G-14-9-16 @ 5612.0ft (RIG#1)
Project:	USGS Myton SW (UT)	**MD Reference:**	G-14-9-16 @ 5612.0ft (RIG#1)
Site:	SECTION 14 T9S, R16E	**North Reference:**	True
Well:	G-14-9-16	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
50.0	0.00	0.00	50.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
150.0	0.00	0.00	150.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
250.0	0.00	0.00	250.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
350.0	0.00	0.00	350.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
450.0	0.00	0.00	450.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
550.0	0.00	0.00	550.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
650.0	0.75	208.71	650.0	-0.3	-0.2	0.3	1.50	1.50	0.00
700.0	1.50	208.71	700.0	-1.1	-0.6	1.3	1.50	1.50	0.00
750.0	2.25	208.71	750.0	-2.6	-1.4	2.9	1.50	1.50	0.00
800.0	3.00	208.71	799.9	-4.6	-2.5	5.2	1.50	1.50	0.00
850.0	3.75	208.71	849.8	-7.2	-3.9	8.2	1.50	1.50	0.00
900.0	4.50	208.71	899.7	-10.3	-5.7	11.8	1.50	1.50	0.00
950.0	5.25	208.71	949.5	-14.1	-7.7	16.0	1.50	1.50	0.00
1,000.0	6.00	208.71	999.3	-18.4	-10.1	20.9	1.50	1.50	0.00
1,050.0	6.75	208.71	1,049.0	-23.2	-12.7	26.5	1.50	1.50	0.00
1,100.0	7.50	208.71	1,098.6	-28.7	-15.7	32.7	1.50	1.50	0.00
1,150.0	8.25	208.71	1,148.1	-34.7	-19.0	39.5	1.50	1.50	0.00
1,200.0	9.00	208.71	1,197.5	-41.2	-22.6	47.0	1.50	1.50	0.00
1,250.0	9.75	208.71	1,246.9	-48.4	-26.5	55.2	1.50	1.50	0.00
1,300.0	10.50	208.71	1,296.1	-56.1	-30.7	64.0	1.50	1.50	0.00
1,350.0	11.25	208.71	1,345.2	-64.4	-35.3	73.4	1.50	1.50	0.00
1,367.3	11.51	208.71	1,362.1	-67.4	-36.9	76.8	1.50	1.50	0.00
1,400.0	11.51	208.71	1,394.2	-73.1	-40.0	83.3	0.00	0.00	0.00
1,450.0	11.51	208.71	1,443.2	-81.8	-44.8	93.3	0.00	0.00	0.00
1,500.0	11.51	208.71	1,492.2	-90.6	-49.6	103.3	0.00	0.00	0.00
1,550.0	11.51	208.71	1,541.2	-99.3	-54.4	113.3	0.00	0.00	0.00
1,600.0	11.51	208.71	1,590.2	-108.1	-59.2	123.2	0.00	0.00	0.00
1,650.0	11.51	208.71	1,639.2	-116.8	-64.0	133.2	0.00	0.00	0.00
1,700.0	11.51	208.71	1,688.2	-125.6	-68.8	143.2	0.00	0.00	0.00
1,750.0	11.51	208.71	1,737.2	-134.3	-73.6	153.2	0.00	0.00	0.00
1,800.0	11.51	208.71	1,786.1	-143.1	-78.4	163.1	0.00	0.00	0.00
1,850.0	11.51	208.71	1,835.1	-151.8	-83.2	173.1	0.00	0.00	0.00
1,900.0	11.51	208.71	1,884.1	-160.6	-88.0	183.1	0.00	0.00	0.00
1,950.0	11.51	208.71	1,933.1	-169.3	-92.7	193.1	0.00	0.00	0.00
2,000.0	11.51	208.71	1,982.1	-178.1	-97.5	203.0	0.00	0.00	0.00
2,050.0	11.51	208.71	2,031.1	-186.8	-102.3	213.0	0.00	0.00	0.00
2,100.0	11.51	208.71	2,080.1	-195.6	-107.1	223.0	0.00	0.00	0.00
2,150.0	11.51	208.71	2,129.1	-204.3	-111.9	233.0	0.00	0.00	0.00
2,200.0	11.51	208.71	2,178.1	-213.1	-116.7	243.0	0.00	0.00	0.00
2,250.0	11.51	208.71	2,227.1	-221.8	-121.5	252.9	0.00	0.00	0.00
2,300.0	11.51	208.71	2,276.1	-230.6	-126.3	262.9	0.00	0.00	0.00
2,350.0	11.51	208.71	2,325.1	-239.3	-131.1	272.9	0.00	0.00	0.00
2,400.0	11.51	208.71	2,374.1	-248.1	-135.9	282.9	0.00	0.00	0.00
2,450.0	11.51	208.71	2,423.1	-256.8	-140.7	292.8	0.00	0.00	0.00
2,500.0	11.51	208.71	2,472.1	-265.6	-145.5	302.8	0.00	0.00	0.00
2,550.0	11.51	208.71	2,521.1	-274.3	-150.3	312.8	0.00	0.00	0.00
2,600.0	11.51	208.71	2,570.1	-283.1	-155.0	322.8	0.00	0.00	0.00

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Well G-14-9-16
Company:	NEWFIELD EXPLORATION	**TVD Reference:**	G-14-9-16 @ 5612.0ft (RIG#1)
Project:	USGS Myton SW (UT)	**MD Reference:**	G-14-9-16 @ 5612.0ft (RIG#1)
Site:	SECTION 14 T9S, R16E	**North Reference:**	True
Well:	G-14-9-16	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
2,650.0	11.51	208.71	2,619.1	-291.8	-159.8	332.7	0.00	0.00	0.00
2,700.0	11.51	208.71	2,668.1	-300.6	-164.6	342.7	0.00	0.00	0.00
2,750.0	11.51	208.71	2,717.0	-309.3	-169.4	352.7	0.00	0.00	0.00
2,800.0	11.51	208.71	2,766.0	-318.1	-174.2	362.7	0.00	0.00	0.00
2,850.0	11.51	208.71	2,815.0	-326.8	-179.0	372.6	0.00	0.00	0.00
2,900.0	11.51	208.71	2,864.0	-335.6	-183.8	382.6	0.00	0.00	0.00
2,950.0	11.51	208.71	2,913.0	-344.3	-188.6	392.6	0.00	0.00	0.00
3,000.0	11.51	208.71	2,962.0	-353.1	-193.4	402.6	0.00	0.00	0.00
3,050.0	11.51	208.71	3,011.0	-361.8	-198.2	412.5	0.00	0.00	0.00
3,100.0	11.51	208.71	3,060.0	-370.6	-203.0	422.5	0.00	0.00	0.00
3,150.0	11.51	208.71	3,109.0	-379.3	-207.8	432.5	0.00	0.00	0.00
3,200.0	11.51	208.71	3,158.0	-388.1	-212.6	442.5	0.00	0.00	0.00
3,250.0	11.51	208.71	3,207.0	-396.8	-217.3	452.5	0.00	0.00	0.00
3,300.0	11.51	208.71	3,256.0	-405.6	-222.1	462.4	0.00	0.00	0.00
3,350.0	11.51	208.71	3,305.0	-414.3	-226.9	472.4	0.00	0.00	0.00
3,400.0	11.51	208.71	3,354.0	-423.1	-231.7	482.4	0.00	0.00	0.00
3,450.0	11.51	208.71	3,403.0	-431.8	-236.5	492.4	0.00	0.00	0.00
3,500.0	11.51	208.71	3,452.0	-440.6	-241.3	502.3	0.00	0.00	0.00
3,550.0	11.51	208.71	3,501.0	-449.3	-246.1	512.3	0.00	0.00	0.00
3,600.0	11.51	208.71	3,550.0	-458.1	-250.9	522.3	0.00	0.00	0.00
3,650.0	11.51	208.71	3,599.0	-466.8	-255.7	532.3	0.00	0.00	0.00
3,700.0	11.51	208.71	3,647.9	-475.6	-260.5	542.2	0.00	0.00	0.00
3,750.0	11.51	208.71	3,696.9	-484.3	-265.3	552.2	0.00	0.00	0.00
3,800.0	11.51	208.71	3,745.9	-493.1	-270.1	562.2	0.00	0.00	0.00
3,850.0	11.51	208.71	3,794.9	-501.8	-274.9	572.2	0.00	0.00	0.00
3,900.0	11.51	208.71	3,843.9	-510.6	-279.6	582.1	0.00	0.00	0.00
3,950.0	11.51	208.71	3,892.9	-519.3	-284.4	592.1	0.00	0.00	0.00
4,000.0	11.51	208.71	3,941.9	-528.1	-289.2	602.1	0.00	0.00	0.00
4,050.0	11.51	208.71	3,990.9	-536.8	-294.0	612.1	0.00	0.00	0.00
4,100.0	11.51	208.71	4,039.9	-545.6	-298.8	622.0	0.00	0.00	0.00
4,150.0	11.51	208.71	4,088.9	-554.3	-303.6	632.0	0.00	0.00	0.00
4,200.0	11.51	208.71	4,137.9	-563.1	-308.4	642.0	0.00	0.00	0.00
4,250.0	11.51	208.71	4,186.9	-571.8	-313.2	652.0	0.00	0.00	0.00
4,300.0	11.51	208.71	4,235.9	-580.6	-318.0	662.0	0.00	0.00	0.00
4,350.0	11.51	208.71	4,284.9	-589.3	-322.8	671.9	0.00	0.00	0.00
4,400.0	11.51	208.71	4,333.9	-598.1	-327.6	681.9	0.00	0.00	0.00
4,450.0	11.51	208.71	4,382.9	-606.8	-332.4	691.9	0.00	0.00	0.00
4,500.0	11.51	208.71	4,431.9	-615.6	-337.2	701.9	0.00	0.00	0.00
4,550.0	11.51	208.71	4,480.9	-624.3	-341.9	711.8	0.00	0.00	0.00
4,600.0	11.51	208.71	4,529.8	-633.1	-346.7	721.8	0.00	0.00	0.00
4,650.0	11.51	208.71	4,578.8	-641.8	-351.5	731.8	0.00	0.00	0.00
4,700.0	11.51	208.71	4,627.8	-650.6	-356.3	741.8	0.00	0.00	0.00
4,750.0	11.51	208.71	4,676.8	-659.3	-361.1	751.7	0.00	0.00	0.00
4,800.0	11.51	208.71	4,725.8	-668.1	-365.9	761.7	0.00	0.00	0.00
4,850.0	11.51	208.71	4,774.8	-676.8	-370.7	771.7	0.00	0.00	0.00
4,900.0	11.51	208.71	4,823.8	-685.6	-375.5	781.7	0.00	0.00	0.00
4,950.0	11.51	208.71	4,872.8	-694.3	-380.3	791.6	0.00	0.00	0.00
5,000.0	11.51	208.71	4,921.8	-703.1	-385.1	801.6	0.00	0.00	0.00
5,050.0	11.51	208.71	4,970.8	-711.8	-389.9	811.6	0.00	0.00	0.00
5,100.0	11.51	208.71	5,019.8	-720.6	-394.7	821.6	0.00	0.00	0.00
5,150.0	11.51	208.71	5,068.8	-729.3	-399.5	831.5	0.00	0.00	0.00
5,200.0	11.51	208.71	5,117.8	-738.1	-404.2	841.5	0.00	0.00	0.00
5,250.0	11.51	208.71	5,166.8	-746.8	-409.0	851.5	0.00	0.00	0.00
5,300.0	11.51	208.71	5,215.8	-755.6	-413.8	861.5	0.00	0.00	0.00

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Well G-14-9-16
Company:	NEWFIELD EXPLORATION	**TVD Reference:**	G-14-9-16 @ 5612.0ft (RIG#1)
Project:	USGS Myton SW (UT)	**MD Reference:**	G-14-9-16 @ 5612.0ft (RIG#1)
Site:	SECTION 14 T9S, R16E	**North Reference:**	True
Well:	G-14-9-16	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,350.0	11.51	208.71	5,264.8	-764.3	-418.6	871.5	0.00	0.00	0.00
5,400.0	11.51	208.71	5,313.8	-773.1	-423.4	881.4	0.00	0.00	0.00
5,450.0	11.51	208.71	5,362.8	-781.8	-428.2	891.4	0.00	0.00	0.00
5,500.0	11.51	208.71	5,411.8	-790.6	-433.0	901.4	0.00	0.00	0.00
5,550.0	11.51	208.71	5,460.7	-799.3	-437.8	911.4	0.00	0.00	0.00
5,600.0	11.51	208.71	5,509.7	-808.1	-442.6	921.3	0.00	0.00	0.00
5,650.0	11.51	208.71	5,558.7	-816.8	-447.4	931.3	0.00	0.00	0.00
5,700.0	11.51	208.71	5,607.7	-825.6	-452.2	941.3	0.00	0.00	0.00
5,750.0	11.51	208.71	5,656.7	-834.3	-457.0	951.3	0.00	0.00	0.00
5,800.0	11.51	208.71	5,705.7	-843.1	-461.8	961.2	0.00	0.00	0.00
5,850.0	11.51	208.71	5,754.7	-851.8	-466.5	971.2	0.00	0.00	0.00
5,900.0	11.51	208.71	5,803.7	-860.6	-471.3	981.2	0.00	0.00	0.00
5,950.0	11.51	208.71	5,852.7	-869.3	-476.1	991.2	0.00	0.00	0.00
6,000.0	11.51	208.71	5,901.7	-878.1	-480.9	1,001.1	0.00	0.00	0.00
6,050.0	11.51	208.71	5,950.7	-886.8	-485.7	1,011.1	0.00	0.00	0.00
6,069.7	11.51	208.71	5,970.0	-890.3	-487.6	1,015.0	0.00	0.00	0.00
G-14-9-16 TGT									

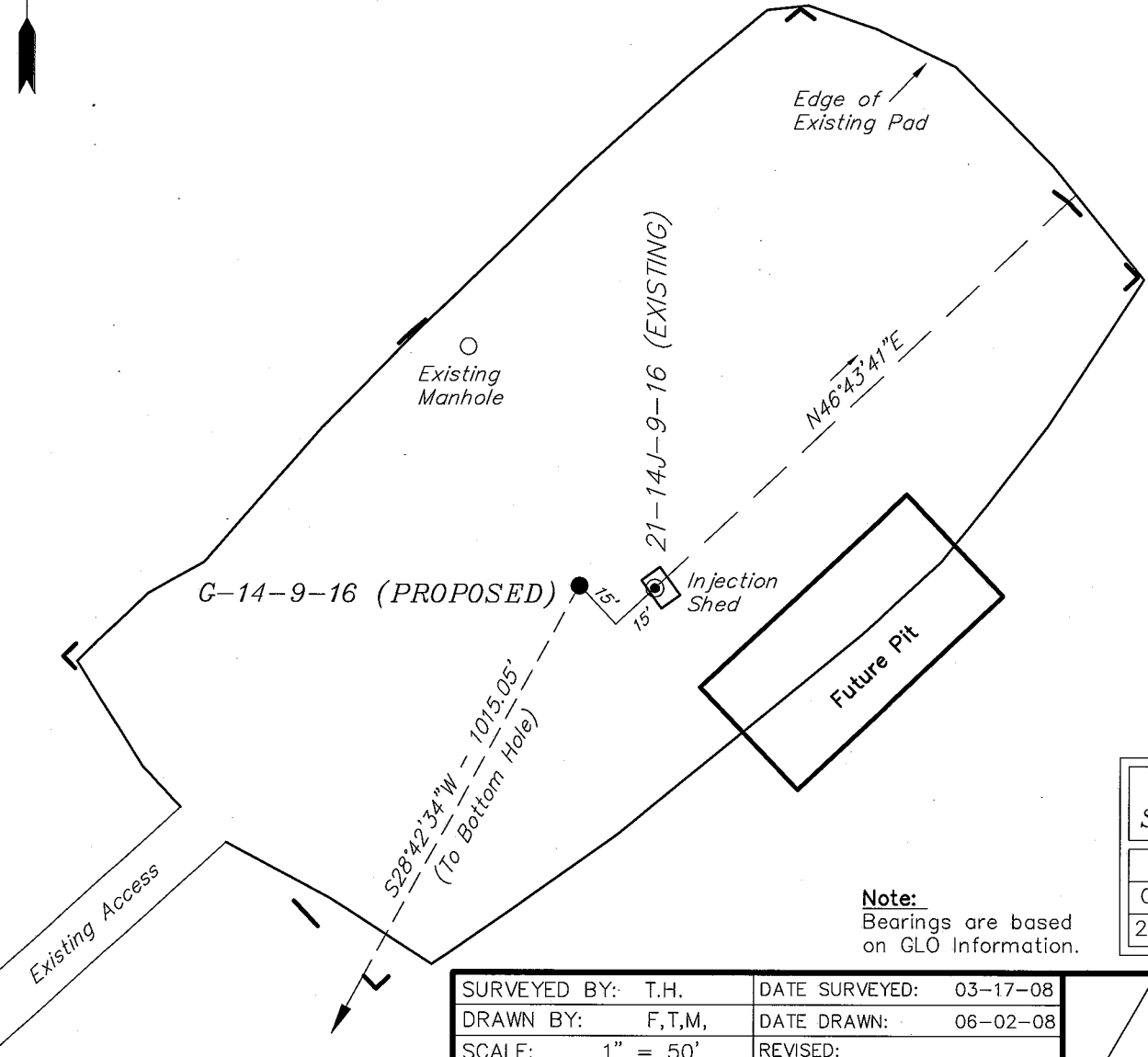
NEWFIELD PRODUCTION COMPANY

WELL PAD INTERFERENCE PLAT

JONAH UNIT G-14-9-16 (Proposed Well)

JONAH UNIT 21-14J-9-16 (Existing Well)

Pad Location: NENW Section 14, T9S, R16E, S.L.B.&M.



TOP HOLE FOOTAGES

G-14-9-16 (PROPOSED)
457' FNL & 1827' FWL

BOTTOM HOLE FOOTAGES

G-14-9-16 (PROPOSED)
1350' FNL & 1345' FWL

RELATIVE COORDINATES
From top hole to bottom hole

WELL	NORTH	EAST
G-14-9-16	-890'	-488'

LATITUDE & LONGITUDE
Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
G-14-9-16	40° 02' 12.05"	110° 05' 22.11"
21-14J-9-16	40° 02' 12.04"	110° 05' 21.83"

Note:
Bearings are based on GLO Information.

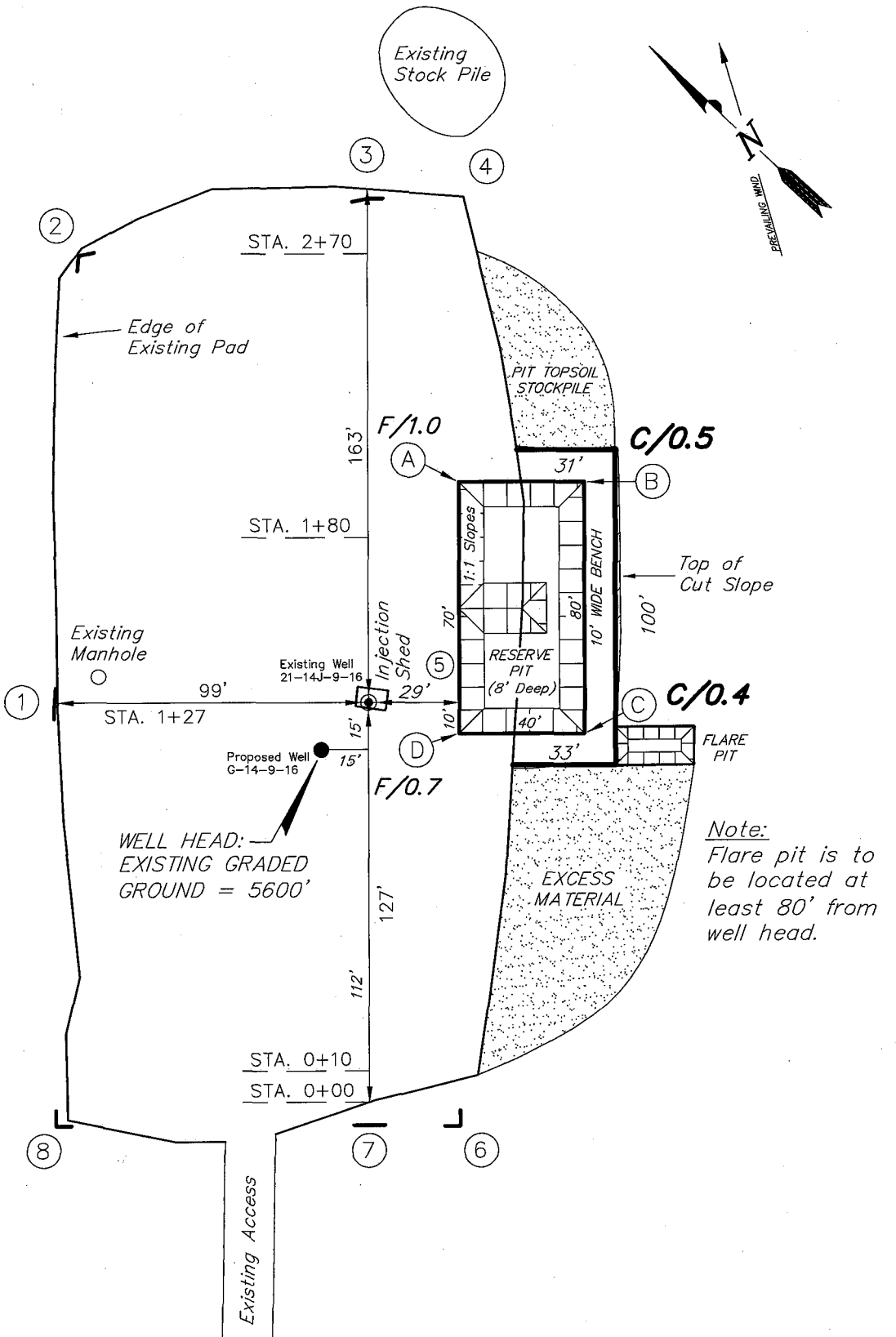
SURVEYED BY:	T.H.	DATE SURVEYED:	03-17-08
DRAWN BY:	F,T,M,	DATE DRAWN:	06-02-08
SCALE:	1" = 50'	REVISED:	

Tri State Land Surveying, Inc.
(435) 781-2501
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY

JONAH UNIT G-14-9-16 (Proposed Well)
JONAH UNIT 21-14J-9-16 (Existing Well)

Pad Location: NENW Section 14, T9S, R16E, S.L.B.&M.



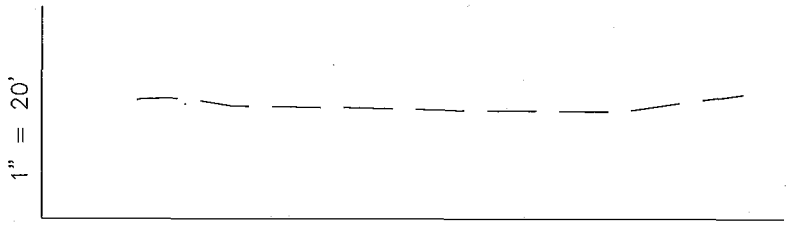
Note:
Flare pit is to be located at least 80' from well head.

SURVEYED BY: T.H.	DATE SURVEYED: 03-17-08	Tri State Land Surveying, Inc.	(435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN: 06-05-08	180 NORTH VERNAL AVE. VERNAL, UTAH 84078	
SCALE: 1" = 50'	REVISED:		

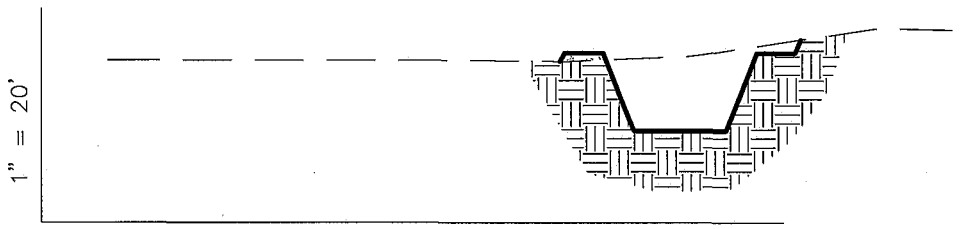
NEWFIELD PRODUCTION COMPANY

CROSS SECTIONS

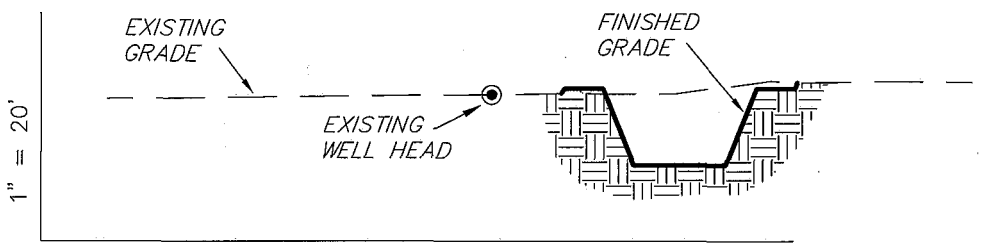
JONAH UNIT G-14-9-16 (Proposed Well)
JONAH UNIT 21-14J-9-16 (Existing Well)



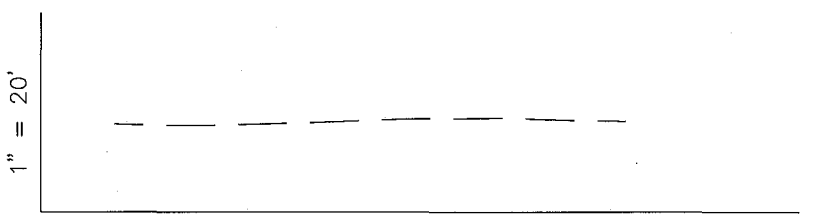
STA. 2+70



STA. 1+80



STA. 1+27



STA. 0+10

NOTE:
UNLESS OTHERWISE NOTED
CUT SLOPES ARE AT 1:1
FILL SLOPES ARE AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES
(No Shrink or swell adjustments have been used)
(Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	50	50	Topsoil is not included in Pad Cut	0
PIT	610	0		610
TOTALS	660	50	120	610

SURVEYED BY: T.H.	DATE SURVEYED:	03-17-08	
DRAWN BY: F.T.M.	DATE DRAWN:	06-05-08	
SCALE: 1" = 50'	REVISED:		

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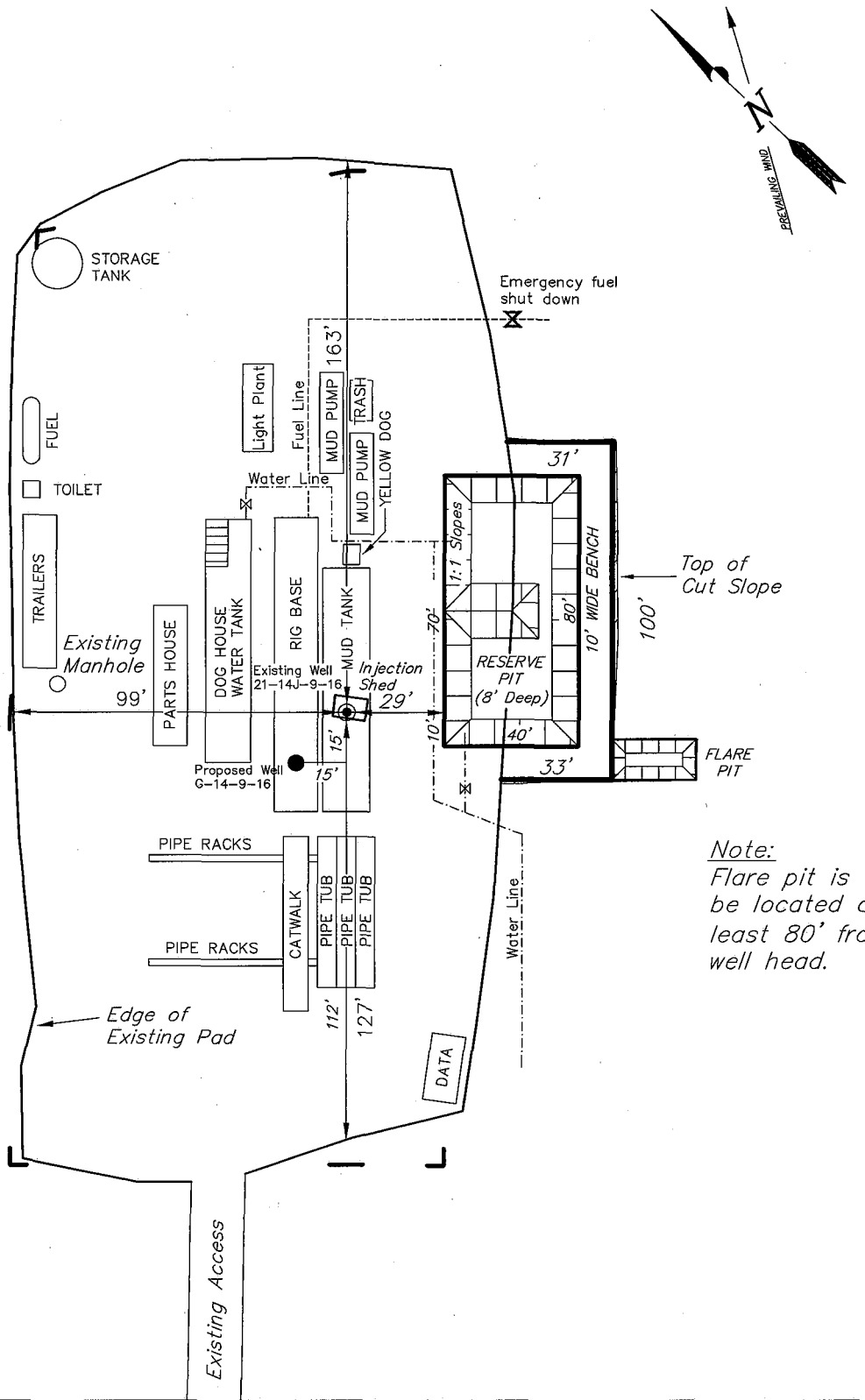
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY

TYPICAL RIG LAYOUT

JONAH UNIT G-14-9-16 (Proposed Well)

JONAH UNIT 21-14J-9-16 (Existing Well)



Note:
Flare pit is to be located at least 80' from well head.

SURVEYED BY: T.H.	DATE SURVEYED:	03-17-08	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN:	06-05-08	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 50'	REVISED:		

Newfield Production Company
Proposed Site Facility Diagram

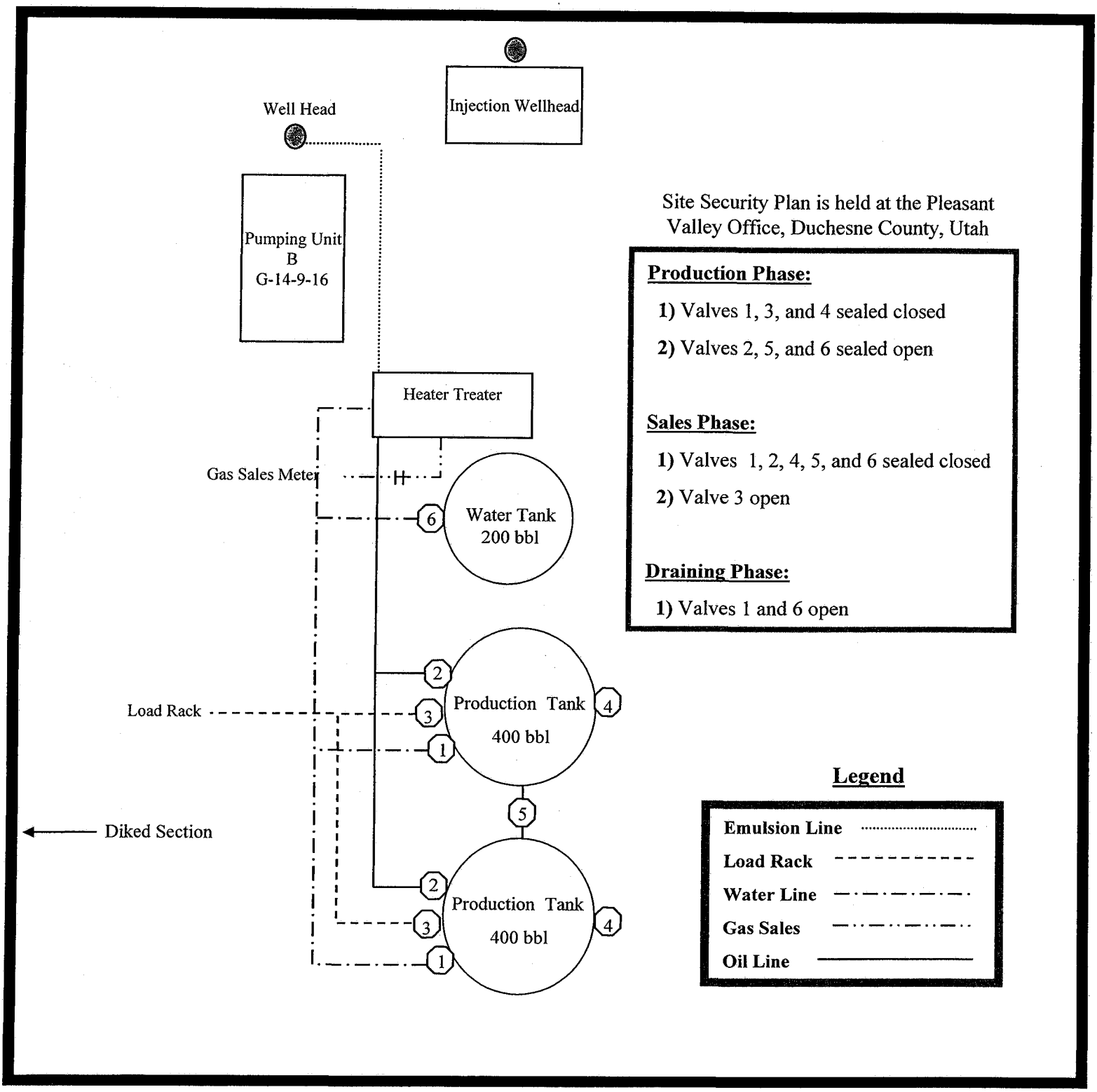
Jonah Federal G-14-9-16

From the 21-14J-9-16 Location

NE/NW Sec. 14 T9S, R16E

Duchesne County, Utah

UTU-096547



Site Security Plan is held at the Pleasant Valley Office, Duchesne County, Utah

Production Phase:

1) Valves 1, 3, and 4 sealed closed

2) Valves 2, 5, and 6 sealed open

Sales Phase:

1) Valves 1, 2, 4, 5, and 6 sealed closed

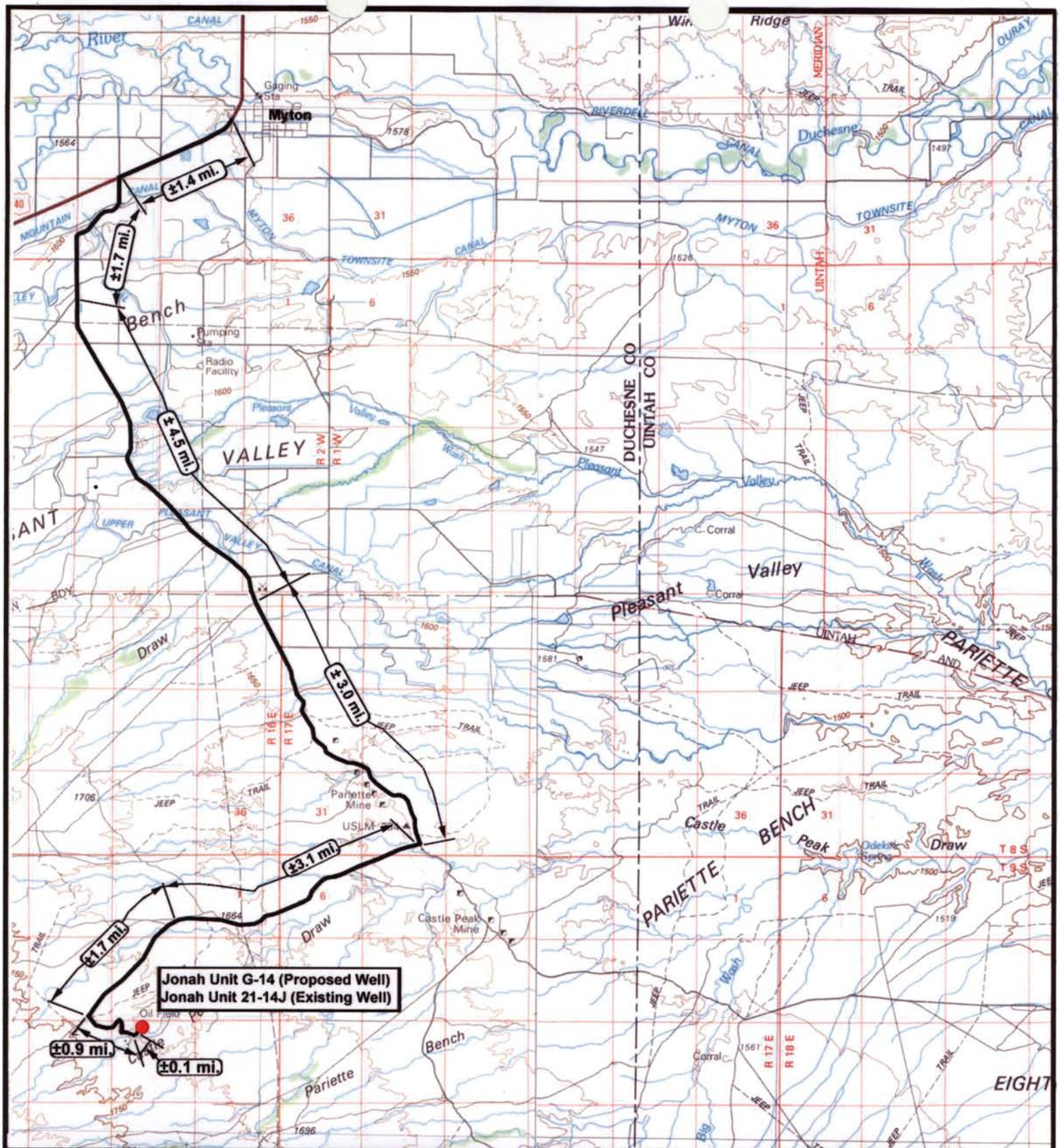
2) Valve 3 open

Draining Phase:

1) Valves 1 and 6 open

Legend

Emulsion Line	.....
Load Rack	- - - - - - - - - -
Water Line	—·—·—·—·—
Gas Sales	—··—··—··—
Oil Line	———————



NEWFIELD
Exploration Company

Jonah Unit G-14-9-16 (Proposed Well)
Jonah Unit 21-14J-9-16 (Existing Well)
Pad Location: NENW SEC. 14, T9S, R16E, S.L.B.&M.

N

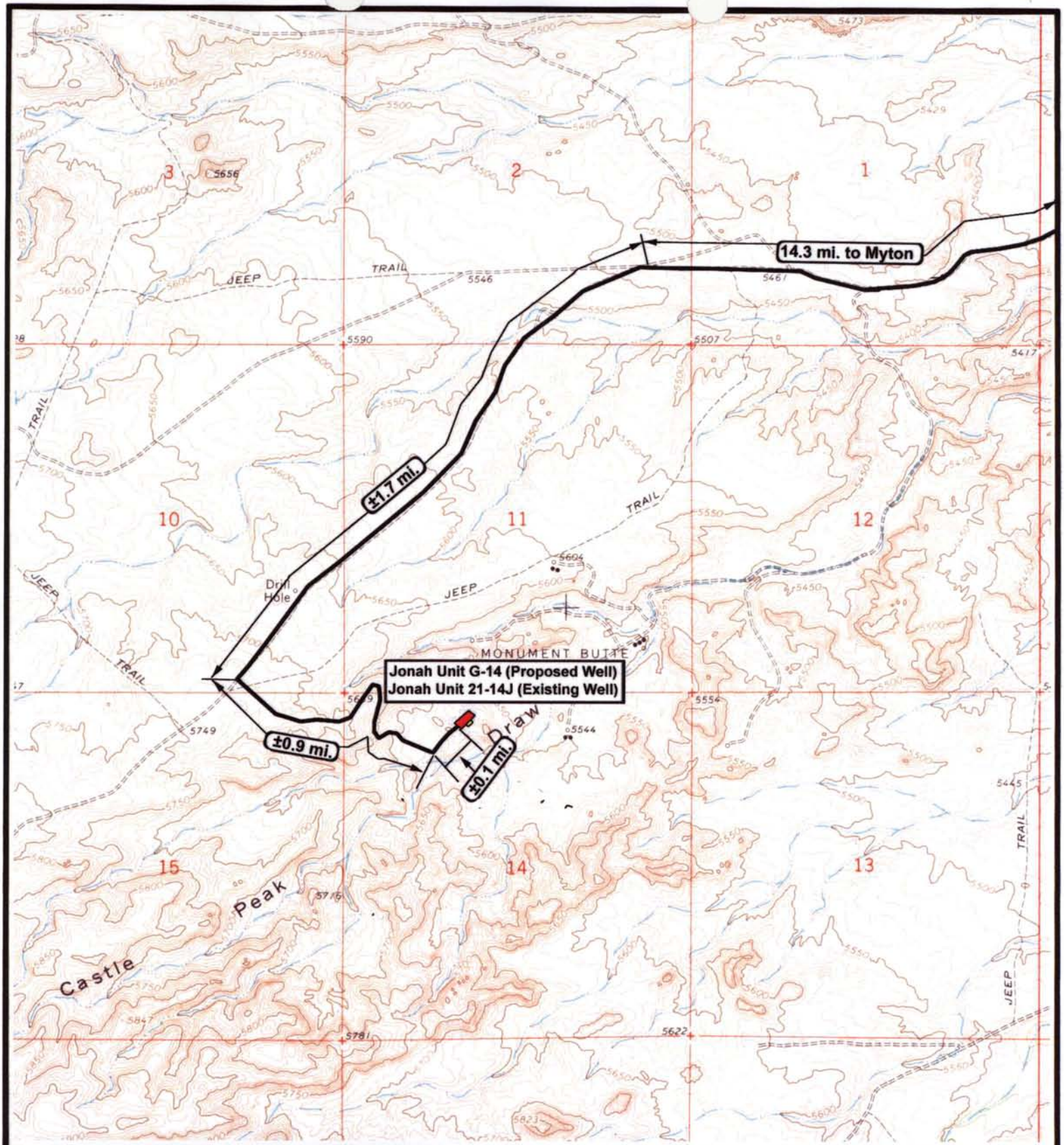
Tri-State Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

Legend

Existing Road

SCALE: 1:100,000
DRAWN BY: JAS
DATE: 06-18-2008

TOPOGRAPHIC MAP
"A"



NEWFIELD
Exploration Company

Jonah Unit G-14-9-16 (Proposed Well)
Jonah Unit 21-14J-9-16 (Existing Well)
Pad Location NENW SEC. 14, T9S, R16E, S.L.B.&M.

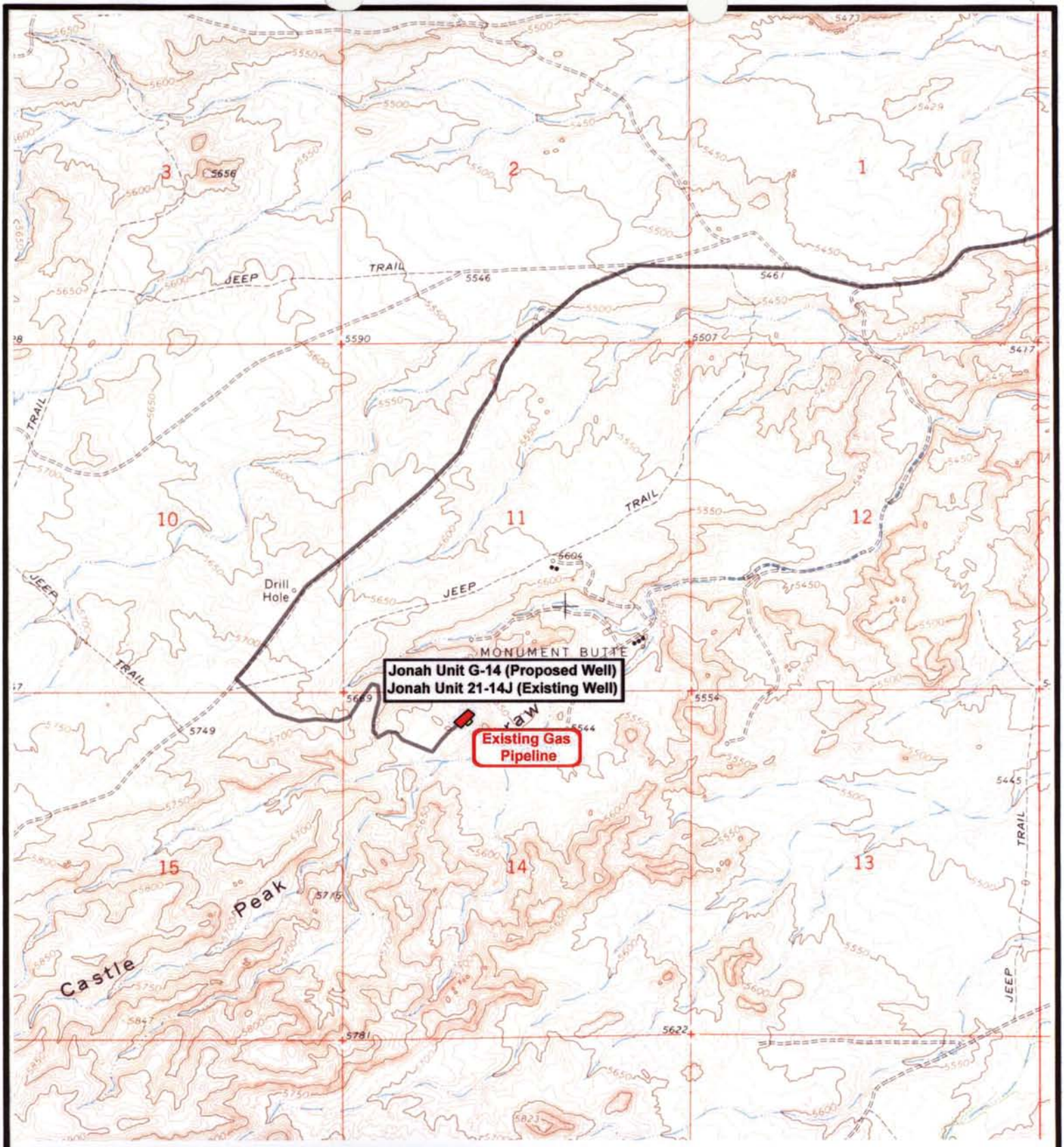
N

Tri-State Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2000'
DRAWN BY: JAS
DATE: 06-18-2008

Legend
Existing Road

TOPOGRAPHIC MAP
"B"



NEWFIELD
Exploration Company

Jonah Unit G-14-9-16 (Proposed Well)
Jonah Unit 21-14J-9-16 (Existing Well)
Pad Location NENW SEC. 14, T9S, R16E, S.L.B.&M.

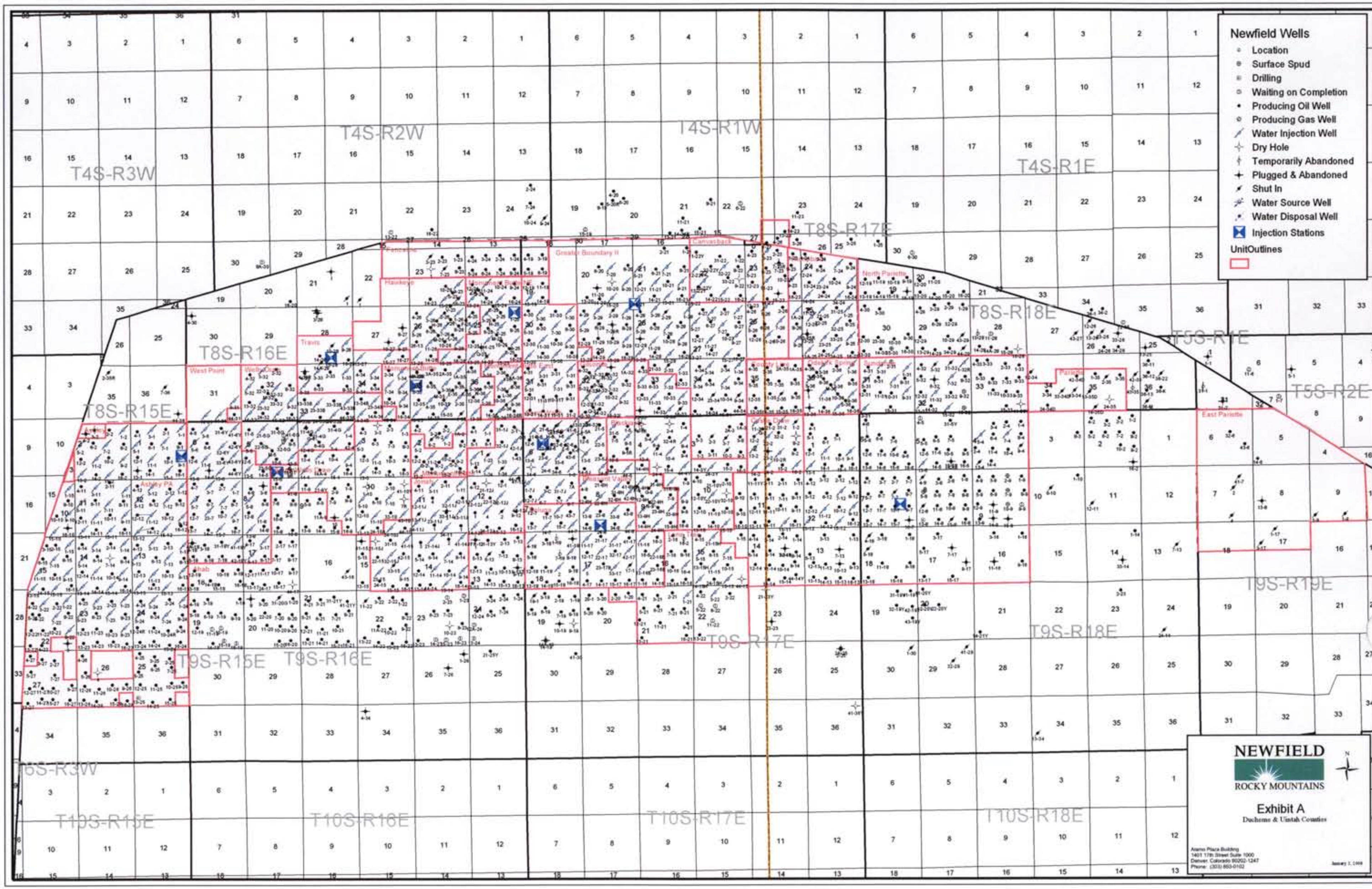
N

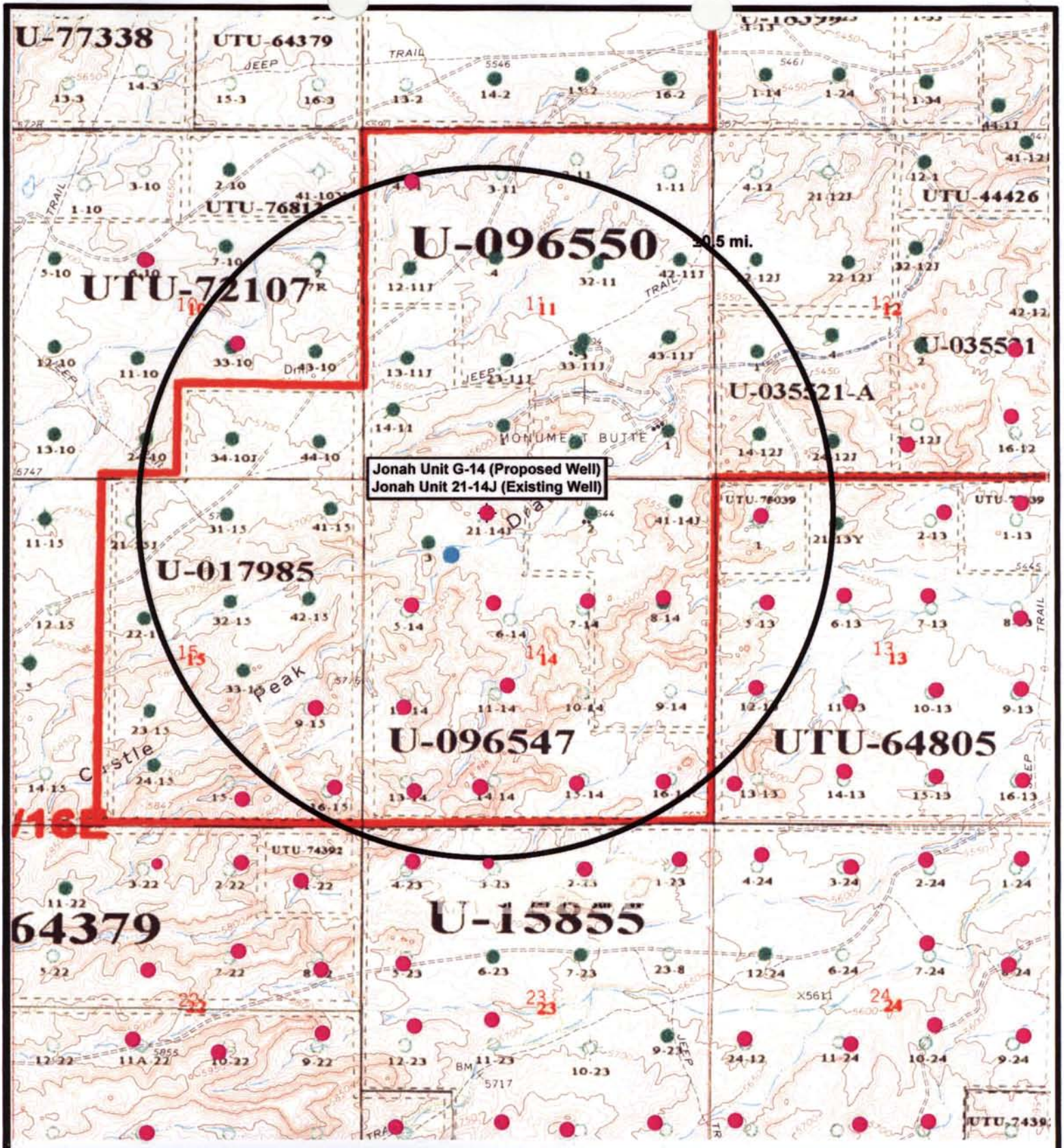
Tri-State Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2000'
DRAWN BY: JAS
DATE: 06-18-2008

Legend
Roads

TOPOGRAPHIC MAP
"C"


Newfield Wells
Location
Surface Spud
Drilling
Waiting on Completion
Producing Oil Well
Producing Gas Well
Water Injection Well
Dry Hole
Temporarily Abandoned
Plugged & Abandoned
Shut In
Water Source Well
Water Disposal Well
Injection Stations
UnitOutlines
T4S-R3W
T4S-R2W
T4S-R1W
T4S-R1E
T8S-R15E
T8S-R16E
T8S-R17E
T8S-R18E
T5S-R1E
T5S-R2E
T9S-R15E
T9S-R16E
T9S-R17E
T9S-R18E
T9S-R19E
T6S-R3W
T10S-R15E
T10S-R16E
T10S-R17E
T10S-R18E
NEWFIELD
ROCKY MOUNTAINS
Exhibit A
Duchesne & Uintah Counties
N



NEWFIELD
Exploration Company

Jonah Unit G-14-9-16 (Proposed Well)
Jonah Unit 21-14J-9-16 (Existing Well)
Pad Location NENW SEC. 14, T9S, R16E, S.L.B.&M.

N

Tri-State Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2000'
DRAWN BY: JAS
DATE: 06-18-2008

Legend
- Pad Location
- Bottom Hole Location
- One-Mile Radius

Exhibit"B"

2-M SYSTEM

Blowout Prevention Equipment Systems

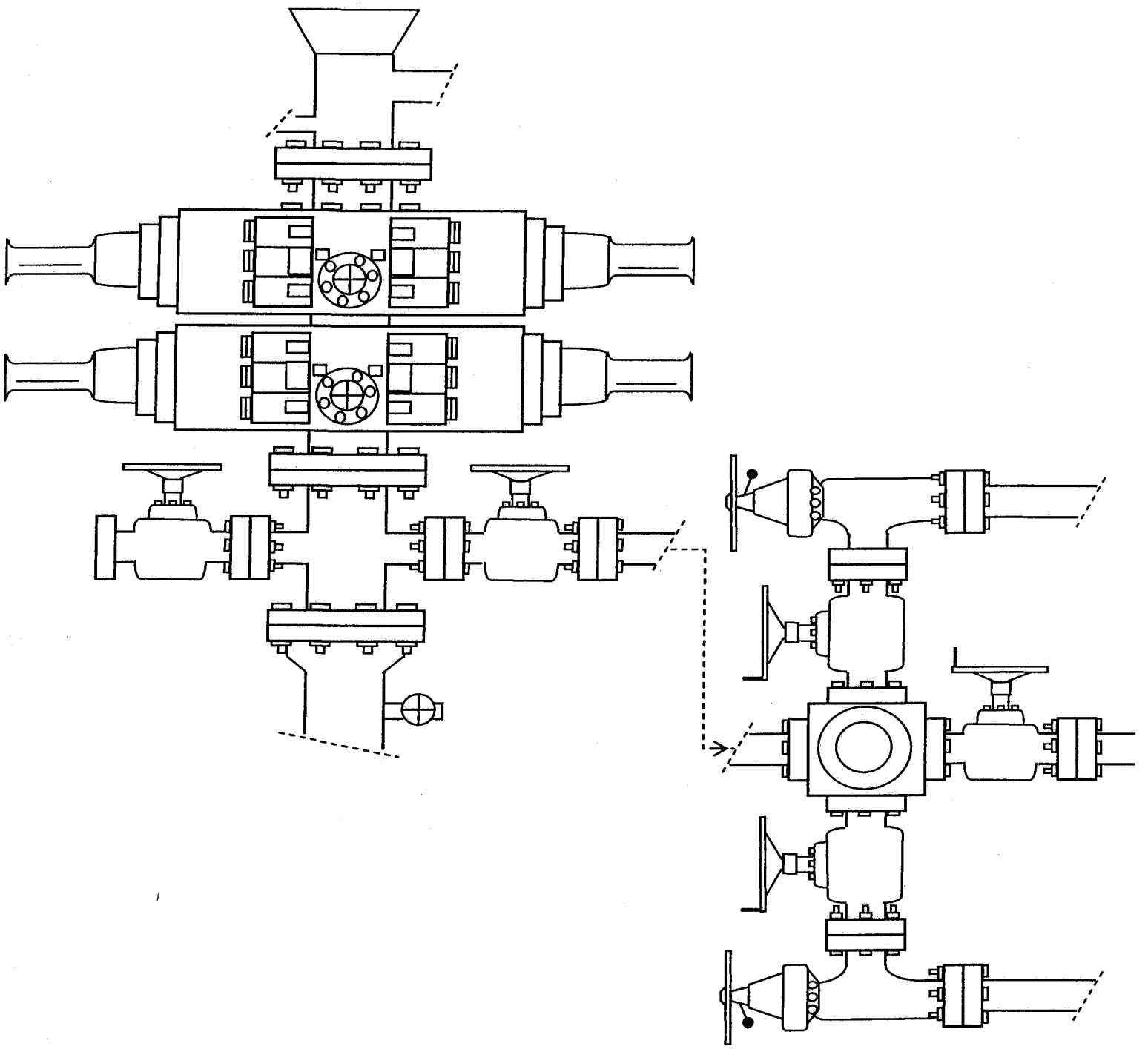


EXHIBIT C

WORKSHEET

APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 09/10/2008

API NO. ASSIGNED: 43-013-34083

WELL NAME: JONAH FED G-14-9-16

OPERATOR: NEWFIELD PRODUCTION (N2695)

PHONE NUMBER: 435-646-3721

CONTACT: MANDIE CROZIER

PROPOSED LOCATION:

NENW 14 090S 160E

SURFACE: 0457 FNL 1827 FWL

BOTTOM: 1350 FNL 1345 FWL

COUNTY: DUCHESNE

LATITUDE: 40.03680 LONGITUDE: -110.0888

UTM SURF EASTINGS: 577739 NORTHINGS: 4432029

FIELD NAME: MONUMENT BUTTE (105)

INSPECT LOCATN BY: / /		
Tech Review	**Initials**	**Date**
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-096547

PROPOSED FORMATION: GRRV

SURFACE OWNER: 1 - Federal

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

✓ Plat

✓ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. WYB000493)

N Potash (Y/N)

N Oil Shale 190-5 (B) or 190-3 or 190-13

✓ Water Permit
(No. 43-7478)

N RDCC Review (Y/N)
(Date:)

NA Fee Surf Agreement (Y/N)

NA Intent to Commingle (Y/N)

LOCATION AND SITING:

___ R649-2-3.

Unit: JONAH (GRRV)

___ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells

___ R649-3-3. Exception

✓ Drilling Unit
Board Cause No: 220-2
Eff Date: 7-16-1993
Siting: Does Not Suspend Gen. Siting

✓ R649-3-11. Directional Drill

COMMENTS: Sop, Separate file

STIPULATIONS: 1- Federal Approval

API Number: 4301334083

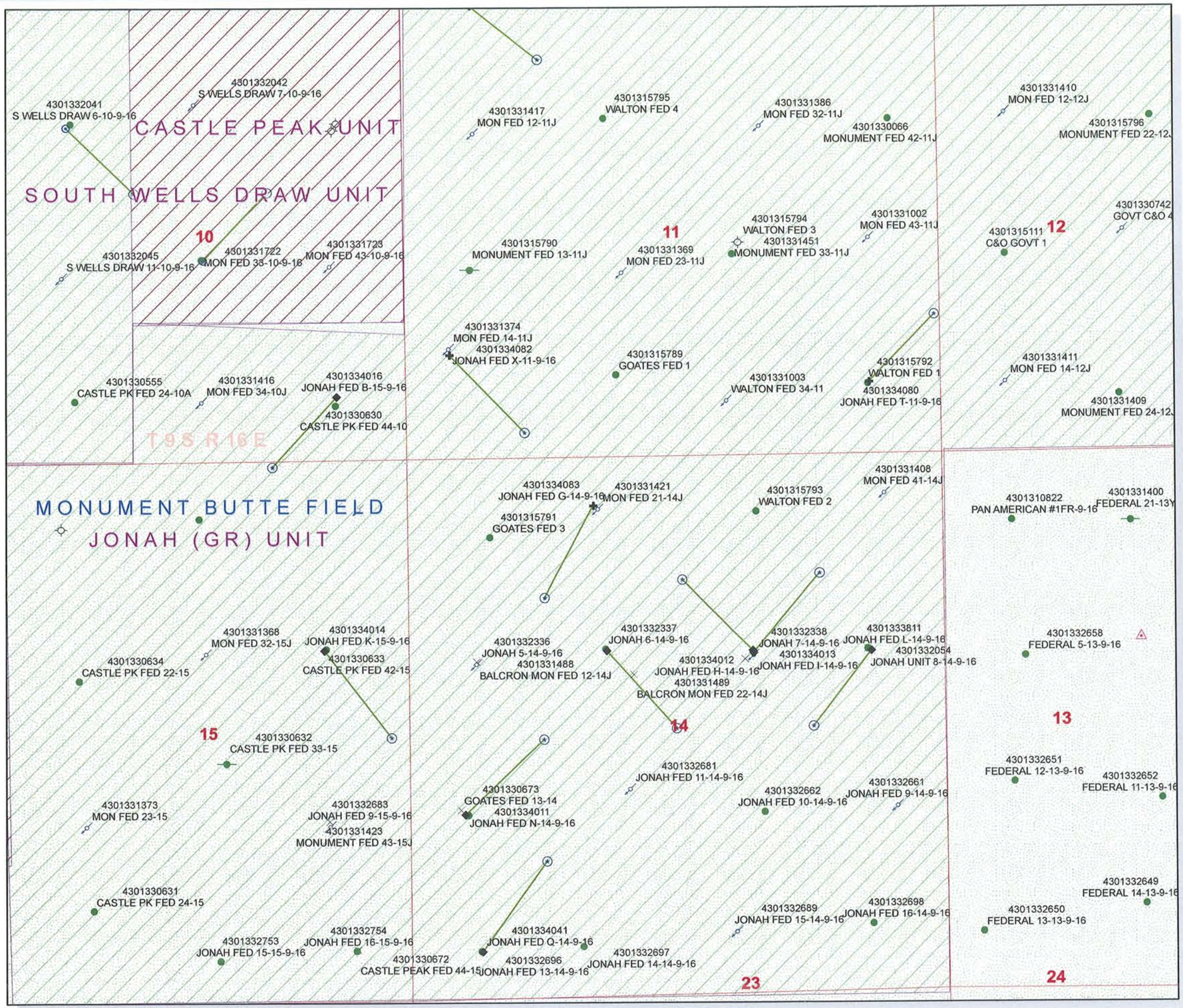
Well Name: JONAH FED G-14-9-16

Township 09.0 S Range 16.0 E Section 14

Meridian: SLBM

Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:
Map Produced by Diana Mason



Units

STATUS
- ACTIVE
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Fields

STATUS
- ACTIVE
- COMBINED
- Sections
- Township

Wells Query Events
- <all other values>

GIS_STAT_TYPE
- <Null>
- APD
- DRL
- GI
- GS
- LA
- NEW
- OPS
- PA
- PGW
- POW
- RET
- SGW
- SOW
- TA
- TW
- WD
- WI
- WS
- Bottom Hole Location

1,300 650 0 1,300 Feet

1:12,000

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

September 16, 2008

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2008 Plan of Development Jonah Unit, Duchesne County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2008 within the Jonah Unit, Duchesne County, Utah.

API #	WELL NAME	LOCATION

(Proposed PZ Green River)

43-013-34080 Jonah Fed T-11-9-16 Sec 11 T09S R16E 0709 FSL 0725 FEL
BHL Sec 11 T09S R16E 1355 FSL 0065 FEL

43-013-34081 Jonah Fed G-11-9-16 Sec 11 T09S R16E 0851 FNL 0706 FWL
BHL Sec 11 T09S R16E 1380 FNL 1365 FWL

43-013-34082 Jonah Fed X-11-9-16 Sec 11 T09S R16E 1031 FSL 0438 FWL
BHL Sec 11 T09S R16E 0260 FSL 1170 FWL

43-013-34083 Jonah Fed G-14-9-16 Sec 14 T09S R16E 0457 FNL 1827 FWL
BHL Sec 14 T09S R16E 1350 FNL 1345 FWL

We have no objections to permitting the wells so long as the unit operator receives an exception to the locating and siting requirements of the State of Utah (R649-3-2).

/s/ Michael L. Coulthard

bcc: File – Jonah Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

NEWFIELD
PRODUCTION COMPANY

September 22, 2008

State of Utah, Division of Oil, Gas and Mining
ATTN: Diana Mason
PO Box 145801
Salt Lake City, UT 84114-5801

RE: Directional Drilling
Jonah Federal G-14-9-16
Jonah Unit
UTU-72086A
Surface Hole: T9S R16E, Section 12: NENW
457' FNL 1827' FWL
Bottom Hole: T9S R16E, Section 12
1350' FNL 1345' FWL
Duchesne County, Utah

Dear Ms. Mason;

Pursuant to the filing of Newfield Production Company's ("NPC") Application for Permit to Drill dated September 15, 2008, a copy of which is attached, for the above referenced well, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole location and bottom hole location of this well are both within the boundaries of the Jonah Unit UTU-72086A. Newfield certifies that it is the Jonah Unit Operator and all lands within 460 feet of the entire directional well bore are within the Jonah Unit.

NPC is permitting this well as a directional well in order to minimize surface disturbance. By directionally drilling from the referenced surface location, NPC will be able to utilize the existing roads and pipelines in this area.

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please do not hesitate to contact the undersigned at 303-382-4444 or by email at reveland@newfield.com . Your consideration of this matter is greatly appreciated.

Sincerely,

Roxann Eveland

Roxann Eveland
Land Associate

RECEIVED
SEP 29 2008
DIV. OF OIL, GAS & MINING

1001 17th Street, Suite 2000 Denver, CO 80202 (303) 893-0102 Fax (303) 893-0103

Form 3160-3
(September 2001)

FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.: UTU-096547

6. If Indian, Allottee or Tribe Name: N/A

1a. Type of Work: [X] DRILL [ ] REENTER

7. If Unit or CA Agreement, Name and No.: Jonah Unit

1b. Type of Well: [X] Oil Well [ ] Gas Well [ ] Other [X] Single Zone [ ] Multiple Zone

8. Lease Name and Well No.: Jonah Federal G-14-9-16

2. Name of Operator: Newfield Production Company

9. API Well No.:

3a. Address: Route #3 Box 3630, Myton UT 84052

3b. Phone No. *(include area code)*: (435) 646-3721

10. Field and Pool, or Exploratory: Monument Butte

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*

At surface: NE/NW 457' FNL 1827' FWL

At proposed prod. zone: 1350' FNL 1345' FWL

11. Sec., T., R., M., or Blk. and Survey or Area: Sec. 14, T9S R16E

14. Distance in miles and direction from nearest town or post office*: Approximatley 17.0 miles southwest of Myton, Utah

12. County or Parish: Duchesne

13. State: UT

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. unit line, if any): Approx. 1295' f/lse, 3935' f/unit

16. No. of Acres in lease: 600.00

17. Spacing Unit dedicated to this well: 20 Acres

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.: Approx. 1337'

19. Proposed Depth: 5970'

20. BLM/BIA Bond No. on file: WYB000493

21. Elevations (Show whether DF, KDB, RT, GL, etc.): 5600' GL

22. Approximate date work will start*: 4th Quarter 2008

23. Estimated duration: Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature: Mandie Crozier | Name *(Printed/Typed)*: Mandie Crozier | Date: 8/28/08

Title: Regulatory Specialist

Approved by *(Signature)* | Name *(Printed/Typed)* | Date

Title | Office

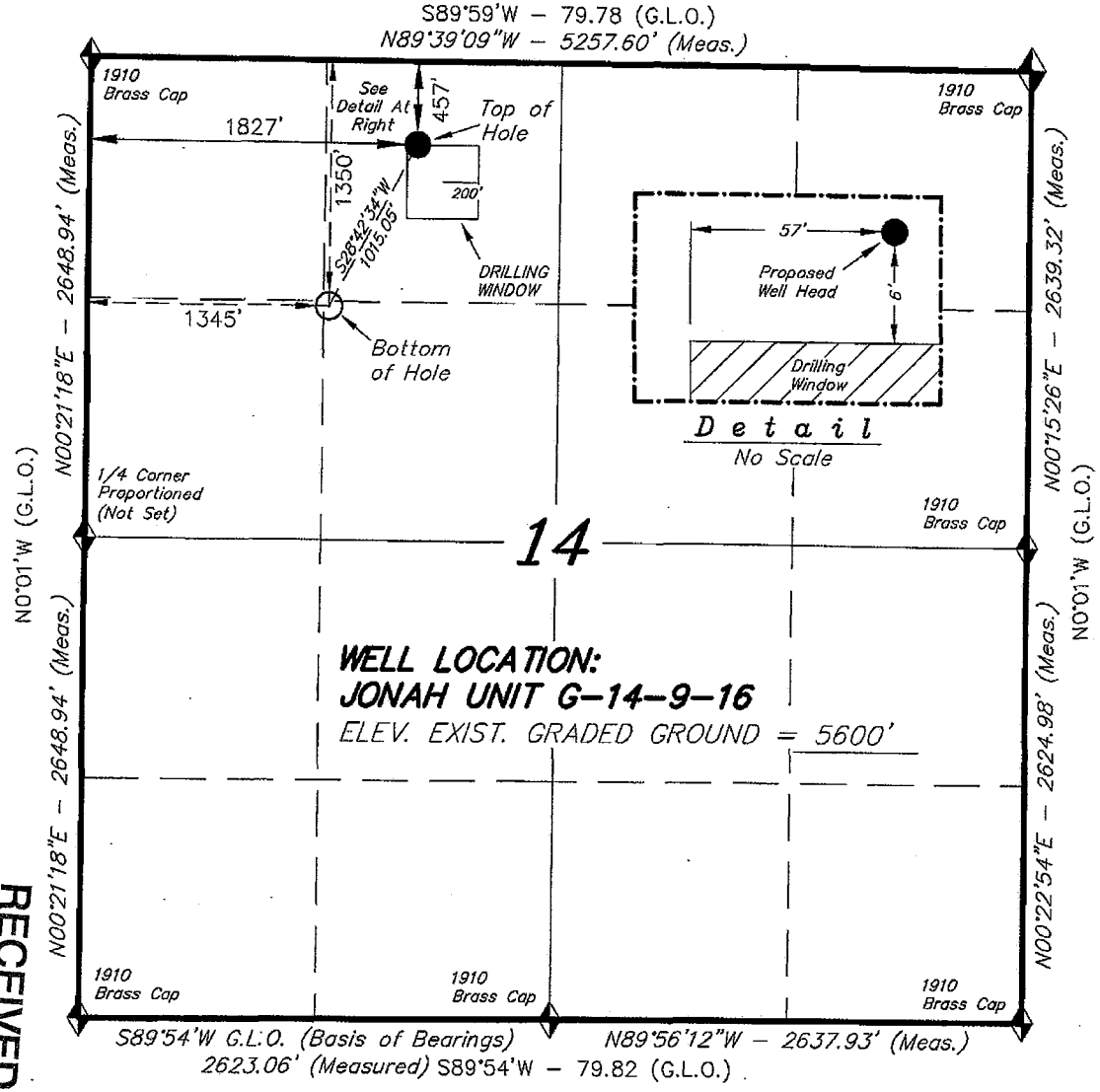
Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**(Instructions on reverse)*

RECEIVED
SEP 29 2008
DIV. OF OIL, GAS & MINING

T9S, R16E, S.L.B.&M.



NEWFIELD PRODUCTION COMPANY

WELL LOCATION, JONAH UNIT G-14-9-16, LOCATED AS SHOWN IN THE NE 1/4 NW 1/4 OF SECTION 14, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

1000' 500' 0' 1000'

BAR SCALE

N

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. No.189377

REGISTERED LAND SURVEYOR
STACY W. STEWART
STATE OF UTAH

RECEIVED
SEP 29 2008
DIV. OF OIL, GAS & MINING

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV;
U.S.G.S. 7-1/2 min QUAD (MYTON SE)

JONAH UNIT G-14-9-16
(Surface Location) NAD 83
LATITUDE = 40° 02' 12.05"
LONGITUDE = 110° 05' 22.11"

TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. – VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 03-17-08	SURVEYED BY: T.H.
DATE DRAWN: 06-05-08	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

September 29, 2008

Newfield Production Company
Rt. #3, Box 3630
Myton, UT 84052

Re: Jonah Federal G-14-9-16 Well, Surface Location 457' FNL, 1827' FWL, NE NW, Sec. 14, T. 9 South, R. 16 East, Bottom Location 1350' FNL, 1345' FWL, NE NW, Sec. 14, T. 9 South, R. 16 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-34083.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Duchesne County Assessor
Bureau of Land Management, Vernal Field Office

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

UTAH DNR OIL, GAS & MINING

Operator: Newfield Production Company

Well Name & Number Jonah Federal G-14-9-16

API Number: 43-013-34083

Lease: UTU-096547

Surface Location: NE NW **Sec.** 14 **T.** 9 South **R.** 16 East

Bottom Location: NE NW **Sec.** 14 **T.** 9 South **R.** 16 East

Conditions of Approval

1. **General**

   Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. **Notification Requirements**

   Notify the Division within 24 hours of spudding the well.

   - Contact Carol Daniels at (801) 538-5284

   Notify the Division prior to commencing operations to plug and abandon the well.

   - Contact Dustin Doucet at (801) 538-5281 (801) 733-0983 home

3. **Reporting Requirements**

   All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

API Well No: 43013340830000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-096547

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: JONAH (GRRV)

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: JONAH FED G-14-9-16

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013340830000

3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052

PHONE NUMBER: 435 646-4825 Ext

9. FIELD and POOL or WILDCAT: MONUMENT BUTTE

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0457 FNL 1827 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 14 Township: 09.0S Range: 16.0E Meridian: S

COUNTY: DUCHESNE

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 9/11/2009	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	✓ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Newfield Production requests to extend the permit to drill this well for one more year.

Approved by the Utah Division of Oil, Gas and Mining

Date: September 14, 2009

By: Dustin Doucet

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Mandie Crozier	435 646-4825	Regulatory Tech
SIGNATURE		**DATE**
N/A		9/11/2009

RECEIVED September 11, 2009

The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43013340830000

API: 43013340830000
Well Name: JONAH FED G-14-9-16
Location: 0457 FNL 1827 FWL QTR NENW SEC 14 TWNP 090S RNG 160E MER S
Company Permit Issued to: NEWFIELD PRODUCTION COMPANY
Date Original Permit Issued: 9/29/2008

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- **If located on private land, has the ownership changed, if so, has the surface agreement been updated?** ○ **Yes** ◉ **No**
- **Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?** ○ **Yes** ◉ **No**
- **Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?** ○ **Yes** ◉ **No**
- **Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?** ○ **Yes** ◉ **No**
- **Has the approved source of water for drilling changed?** ○ **Yes** ◉ **No**
- **Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?** ○ **Yes** ◉ **No**
- **Is bonding still in place, which covers this proposed well?** ◉ **Yes** ○ **No**

Approved by the Utah Division of Oil, Gas and Mining

Signature: Mandie Crozier **Date:** 9/11/2009
Title: Regulatory Tech **Representing:** NEWFIELD PRODUCTION COMPANY

Date: September 14, 2009
By: Dustin Doucet

RECEIVED September 11, 2009

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.: UTU-096547

1a. Type of Well: ☑ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☑ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,
Other: _____

6. If Indian, Allottee or Tribe Name:

7. Unit or CA Agreement Name and No.: GMBU

2. Name of Operator: NEWFIELD EXPLORATION COMPANY

8. Lease Name and Well No.: JONAH G-14-9-16

3. Address: 1401 17TH ST. SUITE 1000 DENVER, CO 80202

3a. Phone No. *(include area code)*: (435)646-3721

9. AFI Well No.: 43-013-34083

4. Location of Well *(Report location clearly and in accordance with Federal requirements)**

Per HSM Review

At surface 457' FNL & 1827' FWL (NE/NW) SEC. 14, T9S, R16E (UTU-096547)

10. Field and Pool or Exploratory: MONUMENT BUTTE

11. Sec., T., R., M., on Block and Survey or Area: SEC. 14, T9S, R16E

At top prod. interval reported below 1099' FNL & 1479' FWL (NE/NW) SEC. 14, T9S, R16E (UTU-096547)

12. County or Parish: DUCHESNE

13. State: UT

At total depth 1452' FNL & 1283' FWL (SWNW) SEC. 14, T9S, R16E (UTU-096547)

14. Date Spudded	15. Date T.D. Reached	16. Date Completed	17. Elevations (DF, RKB, RT, GL)*
01/18/2010	02/03/2010	☐ D & A ☑ Ready to Prod. 02/22/2010	5600' GL 5612' KB

18. Total Depth:	19. Plug Back T.D.:	20. Depth Bridge Plug Set:
MD 6050' TVD 5916'	MD 5995' TVD 5871	MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
DUAL IND GRD, SP, COMP. DENSITY,COMP. NEUTRON,GR,CALIPER, CMT BOND

22. Was well cored? ☑ No ☐ Yes (Submit analysis)
Was DST run? ☑ No ☐ Yes (Submit report)
Directional Survey? ☐ No ☑ Yes (Submit copy)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#	0	321'		160 CLASS G			
7-7/8"	5-1/2" J-55	15.5#	0	6039'		275 PRIMLITE		76'	
						400 50/50 POZ			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	EOT@ 5912'	TA @ 5845'						

25. Producing Intervals / 26. Perforation Record 3960

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River			CP4 & CP5 - 5782-5890'	.36"	3	33
B) Green River			CP1 & CP2 - 5537-5585'	.36"	3	36
C) Green River			A3 - 5114-5124'	.36"	3	30
D) Green River			C & B2 - 4805-4962'	.36"	3	30

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
5782-5890'	Frac w/ 45031#'s 20/40 sand in 295 bbls of Lightning 17 fluid. (CP4 & CP5)
5537-5585'	Frac w/ 19391#'s 20/40 sand in 166 bbls of Lightning 17 fluid. (CP1 & CP2)
5114-5124'	Frac w/ 34848#'s 20/40 sand in 230 bbls of Lightning 17 fluid. (A3)
4805-4962'	Frac w/ 34451#'s 20/40 sand in 233 bbls of Lightning 17 fluid. (C & B2)

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
2-23-10	3-16-10	24	→	75	0	43			2-1/2" x 1-3/4" x 21' x 24' RHAC Pump

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					PRODUCING

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					

*(See instructions and spaces for additional data on page 2)

RECEIVED
APR 05 2010
DIV. OF OIL, GAS & MINING

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

29. Disposition of Gas *(Solid, used for fuel, vented, etc.)*

USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
				GARDEN GULCH MRK	3613'
				GARDEN GULCH 1	3824'
				GARDEN GULCH 2	3933'
				POINT 3	4186'
				X MRKR	4458'
				Y MRKR	4493'
				DOUGALS CREEK MRK	4614'
				BI CARBONATE MRK	4857'
				B LIMESTON MRK	4975'
				CASTLE PEAK	5467'
				BASAL CARBONATE	5926'

32. Additional remarks (include plugging procedure):

Stage 5: Green River Formation (D1) 4658-4664', .36" 3/18 Frac w/ 15287#'s of 20/40 sand in 116 bbls of Lightning 17 fluid

Stage 6: Green River Formation (GB6) 4148-4177', .36" 3/21 Frac w/ 19912#'s of 20/40 sand in 170 bbls of Lightning 17 fluid

Stage 7: Green River Formation (GB2) 3980-3988' .36" 3/24 Frac w/ 11909#'s of 20/40 sand in 102 bbls of Lightning 17 fluid

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33. Indicate which items have been attached by placing a check in the appropriate boxes:

☐ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☑ Directional Survey

☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☑ Other: Drilling Daily Activity

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name *(please print)* Lucy Chavez-Naupoto Title Administrative Assistant lchaveznaupoto@new

Signature [signature] Date 03/30/2010 435 646-4874

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

NEWFIELD

NEWFIELD EXPLORATION

USGS Myton SW (UT)
SECTION 14 T9S, R16E
G-14-9-16

Wellbore #1

Design: Actual

Standard Survey Report

24 May, 2010

HATHAWAY HB BURNHAM
DIRECTIONAL & MWD SERVICES

NEWFIELD

HATHAWAY BURNHAM
Survey Report

HATHAWAY BURNHAM
DIRECTIONAL & MWD SERVICES

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well G-14-9-16
Project:	USGS Myton SW (UT)	**TVD Reference:**	G-14-9-16 @ 5612.0ft (NEWFIELD)
Site:	SECTION 14 T9S, R16E	**MD Reference:**	G-14-9-16 @ 5612.0ft (NEWFIELD)
Well:	G-14-9-16	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 2003.21 Single User Db

Project	USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA		
Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	SECTION 14 T9S, R16E, SEC 14 T9S, R16E				
Site Position:		**Northing:**	7,183,007.00 ft	**Latitude:**	40° 1' 50.269 N
From:	Lat/Long	**Easting:**	2,036,124.00 ft	**Longitude:**	110° 5' 12.324 W
Position Uncertainty:	0.0 ft	**Slot Radius:**	"	**Grid Convergence:**	0.91 °

Well	G-14-9-16, SHL LAT: 40 02 12.05, LONG: -110 05 22.11					
Well Position	**+N/-S**	0.0 ft	**Northing:**	7,185,198.56 ft	**Latitude:**	40° 2' 12.050 N
	+E/-W	0.0 ft	**Easting:**	2,035,328.18 ft	**Longitude:**	110° 5' 22.110 W
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	ft	**Ground Level:**	0.0 ft

Wellbore	Wellbore #1				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2010	2010/05/24	11.46	65.81	52,366

Design	Actual				
Audit Notes:					
Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	0.0
Vertical Section:	**Depth From (TVD) (ft)**	**+N/-S (ft)**	**+E/-W (ft)**	**Direction (°)**	
	0.0	0.0	0.0	208.71	

Survey Program **Date** 2010/05/24

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
424.0	6,040.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
424.0	1.58	197.84	423.9	-5.6	-1.8	5.7	0.37	0.37	0.00
455.0	1.36	191.95	454.9	-6.3	-2.0	6.5	0.86	-0.71	-19.00
485.0	1.56	190.87	484.9	-7.1	-2.1	7.2	0.67	0.67	-3.60
516.0	1.45	188.77	515.9	-7.9	-2.3	8.0	0.40	-0.35	-6.77
547.0	1.78	197.88	546.9	-8.7	-2.5	8.9	1.35	1.06	29.39
577.0	2.15	193.27	576.9	-9.7	-2.8	9.9	1.34	1.23	-15.37
608.0	2.48	195.34	607.9	-10.9	-3.1	11.1	1.10	1.06	6.68
638.0	2.86	199.09	637.8	-12.3	-3.5	12.4	1.39	1.27	12.50
669.0	3.12	197.14	668.8	-13.8	-4.0	14.0	0.90	0.84	-6.29
700.0	3.25	199.09	699.7	-15.4	-4.5	15.7	0.55	0.42	6.29
730.0	3.47	203.47	729.7	-17.1	-5.2	17.5	1.13	0.73	14.60
761.0	3.98	208.63	760.6	-18.9	-6.1	19.5	1.97	1.65	16.65

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well G-14-9-16
Project:	USGS Myton SW (UT)	**TVD Reference:**	G-14-9-16 @ 5612.0ft (NEWFIELD)
Site:	SECTION 14 T9S, R16E	**MD Reference:**	G-14-9-16 @ 5612.0ft (NEWFIELD)
Well:	G-14-9-16	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
791.0	4.33	206.48	790.5	-20.8	-7.1	21.6	1.28	1.17	-7.17
823.0	4.70	211.22	822.4	-23.0	-8.3	24.2	1.64	1.16	14.81
852.0	5.14	210.83	851.3	-25.1	-9.6	26.6	1.52	1.52	-1.34
883.0	5.62	209.75	882.2	-27.7	-11.0	29.6	1.58	1.55	-3.48
914.0	6.33	211.16	913.0	-30.4	-12.7	32.8	2.34	2.29	4.55
947.0	6.70	212.25	945.8	-33.6	-14.6	36.5	1.18	1.12	3.30
977.0	6.99	211.90	975.6	-36.6	-16.5	40.1	0.98	0.97	-1.17
1,009.0	7.40	213.94	1,007.4	-40.0	-18.7	44.1	1.51	1.28	6.38
1,041.0	7.84	212.78	1,039.1	-43.6	-21.0	48.3	1.46	1.38	-3.63
1,072.0	7.80	211.53	1,069.8	-47.1	-23.3	52.5	0.56	-0.13	-4.03
1,104.0	8.24	210.25	1,101.5	-51.0	-25.6	57.0	1.48	1.38	-4.00
1,136.0	8.33	210.36	1,133.1	-54.9	-27.9	61.6	0.29	0.28	0.34
1,168.0	8.70	209.40	1,164.8	-59.0	-30.3	66.3	1.24	1.16	-3.00
1,199.0	8.85	208.98	1,195.4	-63.2	-32.6	71.1	0.53	0.48	-1.35
1,231.0	9.21	206.74	1,227.0	-67.6	-34.9	76.1	1.57	1.13	-7.00
1,263.0	9.56	206.26	1,258.6	-72.3	-37.2	81.3	1.12	1.09	-1.50
1,294.0	9.87	206.30	1,289.1	-77.0	-39.6	86.5	1.00	1.00	0.13
1,325.0	10.20	207.46	1,319.7	-81.8	-42.0	91.9	1.25	1.06	3.74
1,356.0	10.26	207.18	1,350.2	-86.7	-44.5	97.4	0.25	0.19	-0.90
1,388.0	10.42	209.24	1,381.7	-91.7	-47.2	103.2	1.26	0.50	6.44
1,421.0	10.81	209.79	1,414.1	-97.0	-50.2	109.2	1.22	1.18	1.67
1,452.0	11.18	208.80	1,444.5	-102.2	-53.1	115.2	1.34	1.19	-3.19
1,483.0	11.60	207.49	1,474.9	-107.6	-56.0	121.3	1.59	1.35	-4.23
1,515.0	12.08	207.13	1,506.2	-113.4	-59.0	127.8	1.52	1.50	-1.13
1,547.0	12.74	207.46	1,537.5	-119.5	-62.2	134.7	2.07	2.06	1.03
1,642.0	13.23	209.16	1,630.1	-138.3	-72.3	156.1	0.65	0.52	1.79
1,738.0	13.01	205.64	1,723.6	-157.7	-82.3	177.8	0.86	-0.23	-3.67
1,833.0	13.10	207.13	1,816.1	-176.9	-91.9	199.3	0.37	0.09	1.57
1,929.0	14.26	205.84	1,909.4	-197.2	-102.0	222.0	1.25	1.21	-1.34
2,023.0	14.00	210.56	2,000.5	-217.4	-112.8	244.9	1.26	-0.28	5.02
2,118.0	14.24	211.16	2,092.7	-237.3	-124.7	268.0	0.30	0.25	0.63
2,212.0	15.21	209.40	2,183.6	-257.9	-136.7	291.9	1.14	1.03	-1.87
2,307.0	15.14	208.43	2,275.3	-279.7	-148.8	316.8	0.28	-0.07	-1.02
2,402.0	14.39	209.05	2,367.1	-300.9	-160.4	341.0	0.81	-0.79	0.65
2,497.0	13.60	206.08	2,459.3	-321.3	-171.1	364.0	1.12	-0.83	-3.13
2,592.0	13.25	207.71	2,551.7	-341.0	-181.0	386.0	0.54	-0.37	1.72
2,688.0	15.49	209.22	2,644.7	-361.9	-192.4	409.8	2.37	2.33	1.57
2,783.0	16.50	208.96	2,736.0	-384.8	-205.1	436.0	1.07	1.06	-0.27
2,878.0	15.18	208.61	2,827.4	-407.5	-217.6	461.9	1.39	-1.39	-0.37
2,973.0	15.95	208.72	2,918.9	-429.9	-229.8	487.4	0.81	0.81	0.12
3,068.0	14.33	207.90	3,010.6	-451.7	-241.6	512.2	1.72	-1.71	-0.86
3,161.0	14.83	208.67	3,100.6	-472.3	-252.7	535.6	0.58	0.54	0.83
3,257.0	14.59	210.96	3,193.5	-493.5	-264.8	560.0	0.66	-0.25	2.39
3,352.0	13.80	209.38	3,285.6	-513.6	-276.5	583.3	0.93	-0.83	-1.66
3,447.0	13.36	210.10	3,377.9	-533.0	-287.6	605.6	0.50	-0.46	0.76
3,542.0	11.73	209.31	3,470.7	-550.9	-297.8	626.2	1.73	-1.72	-0.83
3,637.0	12.28	206.15	3,563.6	-568.4	-307.0	646.0	0.90	0.58	-3.33
3,732.0	12.77	207.42	3,656.3	-586.8	-316.3	666.6	0.59	0.52	1.34
3,827.0	13.12	210.19	3,748.9	-605.4	-326.6	687.8	0.75	0.37	2.92
3,922.0	12.90	210.78	3,841.5	-623.8	-337.4	709.2	0.27	-0.23	0.62
4,017.0	12.85	207.82	3,934.1	-642.3	-347.8	730.4	0.70	-0.05	-3.12
4,112.0	12.19	206.85	4,026.8	-660.6	-357.2	751.0	0.73	-0.69	-1.02
4,207.0	11.95	207.22	4,119.7	-678.3	-366.3	770.8	0.27	-0.25	0.39
4,303.0	12.13	207.79	4,213.6	-696.0	-375.5	790.8	0.22	0.19	0.59

NEWFIELD

HATHAWAY BURNHAM
Survey Report

HATHAWAY BURNHAM
DIRECTIONAL + MWD SERVICES

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well G-14-9-16
Project:	USGS Myton SW (UT)	**TVD Reference:**	G-14-9-16 @ 5612.0ft (NEWFIELD)
Site:	SECTION 14 T9S, R16E	**MD Reference:**	G-14-9-16 @ 5612.0ft (NEWFIELD)
Well:	G-14-9-16	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,398.0	12.77	208.52	4,306.4	-714.1	-385.2	811.3	0.69	0.67	0.77
4,493.0	12.77	211.22	4,399.0	-732.3	-395.6	832.3	0.63	0.00	2.84
4,588.0	12.37	208.29	4,491.8	-750.2	-405.9	853.0	0.79	-0.42	-3.08
4,683.0	13.18	209.74	4,584.4	-768.6	-416.1	874.0	0.92	0.85	1.53
4,778.0	12.57	211.73	4,677.0	-786.8	-426.9	895.1	0.79	-0.64	2.09
4,873.0	12.68	209.29	4,769.7	-804.7	-437.4	915.9	0.57	0.12	-2.57
4,968.0	12.41	209.68	4,862.4	-822.6	-447.6	936.5	0.30	-0.28	0.41
5,063.0	12.11	213.73	4,955.3	-839.8	-458.2	956.7	0.96	-0.32	4.26
5,158.0	12.52	211.29	5,048.1	-856.9	-469.1	976.9	0.70	0.43	-2.57
5,253.0	10.74	213.48	5,141.1	-873.1	-479.3	996.0	1.93	-1.87	2.31
5,349.0	10.74	206.50	5,235.5	-888.5	-488.2	1,013.8	1.35	0.00	-7.27
5,444.0	9.27	208.47	5,329.0	-903.2	-495.8	1,030.3	1.59	-1.55	2.07
5,539.0	10.33	208.56	5,422.6	-917.4	-503.5	1,046.5	1.12	1.12	0.09
5,634.0	10.94	207.33	5,516.0	-932.9	-511.7	1,064.0	0.69	0.64	-1.29
5,729.0	10.50	205.00	5,609.3	-948.7	-519.5	1,081.7	0.65	-0.46	-2.45
5,824.0	10.77	209.46	5,702.7	-964.3	-527.6	1,099.2	0.91	0.28	4.69
5,920.0	9.65	207.24	5,797.2	-979.3	-535.7	1,116.2	1.24	-1.17	-2.31
5,987.0	7.80	209.66	5,863.4	-988.2	-540.5	1,126.4	2.81	-2.76	3.61
6,040.0	7.80	209.66	5,915.9	-994.5	-544.0	1,133.6	0.00	0.00	0.00

Checked By: _____ Approved By: _____ Date: _____

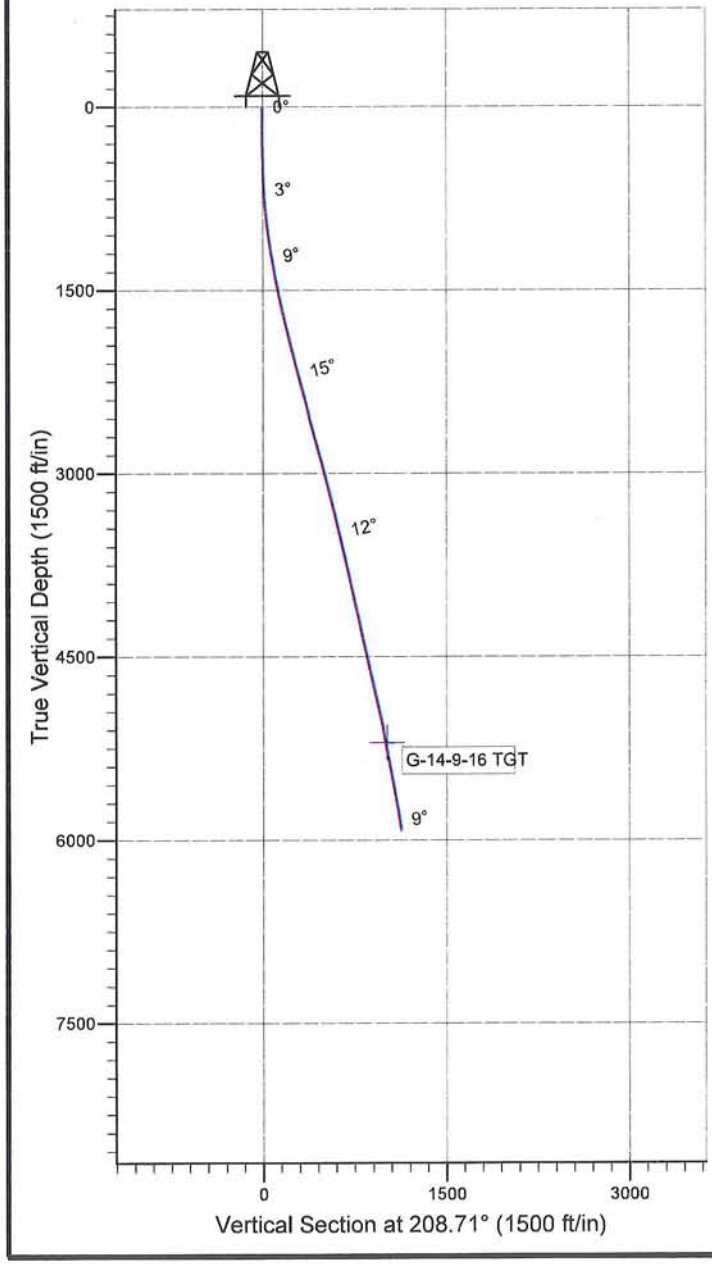
NEWFIELD

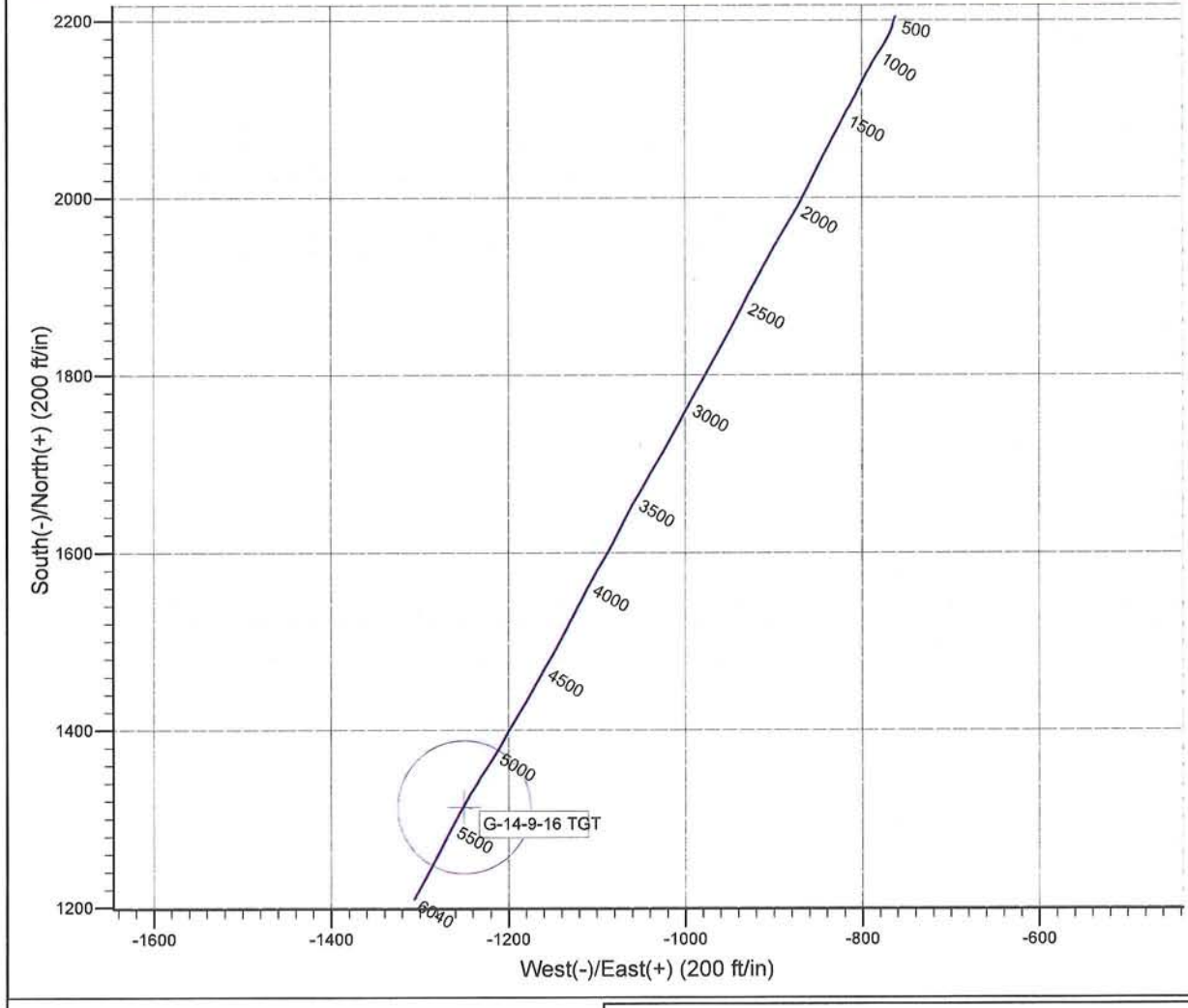
Project: USGS Myton SW (UT)
Site: SECTION 14 T9S, R16E
Well: G-14-9-16
Wellbore: Wellbore #1
SURVEY: Wellbore #1

FINAL SURVEY REPORT

Azimuths to True North
Magnetic North: 11.49°

Magnetic Field
Strength: 52436.7snT
Dip Angle: 65.83°
Date: 12/31/2009
Model: IGRF200510





Design: Wellbore #1 (G-14-9-16/Wellbore #1)

Created By: Jim Hudson Date: 6:11, February 05 2010

THIS SURVEY IS CORRECT TO THE BEST OF MY KNOWLEDGE AND IS SUPPORTED BY ACTUAL FIELD DATA.

Daily Activity Report

Format For Sundry

JONAH G-14-9-16

12/1/2009 To 4/28/2010

JONAH G-14-9-16 **Wait on Cement**

Date: 1/20/2010

Ross #29 at 320. Days Since Spud - ppg With 1.17 Yield. Returned 4 bbls To Pit - On 1/20/10 BJ Cemented 8 5/8" Casing With 160sk Class G +2% CaCl +.25#/sk Celloflake Mixed @ 15.8 - Hole M/U Run 7 jts Surface Casing (Guide Shoe,Shoe Jt, Baffel Plate,6Jt) Set @ 321.21' /KB - Spud The Jonah Federal G-14-9-16 On 1/18/10 @ 8:00 AM With Ross Rig #21. Drilled 320' Of 12 1/4"

Daily Cost: $0

Cumulative Cost: $41,197

JONAH G-14-9-16 **Rigging down**

Date: 1/29/2010

NDSI #2 at 320. 0 Days Since Spud - Rig Down Prepair For Move To Jonah Federal G-14-9-16

Daily Cost: $0

Cumulative Cost: $44,985

JONAH G-14-9-16 **Drill 7 7/8" hole with fresh water**

Date: 1/31/2010

NDSI #2 at 1600. 1 Days Since Spud - 1/30/10 MIRU On Jonah Federal G-14-9-16. Set All Surface Equipment. - Drill 7 7/8" Hole From 320' To 1600' WOB 20,RPM 107,GPM 344, Avg Rop102.4 ft/hr - Drill Plug,Baffel Plate & Cement. - P/U Bit,Motor & Directional Tools,Scribe Tools - 10 Mins. Test 8 5/8" Casing To 1500# psi For 30 Mins. All Tested Ok. - R/U B&C Quick Test. Test Upper Kelly,Floor Valves,Blind,Pipe Rams, Ckoke Manifold To 2000# Psi For

Daily Cost: $0

Cumulative Cost: $90,969

JONAH G-14-9-16 **Drill 7 7/8" hole with fresh water**

Date: 2/1/2010

NDSI #2 at 3800. 2 Days Since Spud - Rig Service. Ckeck Crown-A Matic,Check Bops - Drill 7 7/8" Hole From 2772' To 3800' - No H2s Reported Last 24 Hrs - Flow @ 2962' 1 gal/min - Boiler 20 hrs - Drill 7 7/8" Hole From 1600' To 2772' (WOB 20,RPM 107,GPM 344, Avg Rop 112.8 ft/hr)

Daily Cost: $0

Cumulative Cost: $112,275

JONAH G-14-9-16 **Drill 7 7/8" hole with fresh water**

Date: 2/2/2010

NDSI #2 at 4958. 3 Days Since Spud - Rig Service - Drill 7 7/8" Hole From 4419' To 4958' With 20,000# WOB, 107 total rpm, 344 gpm, 66 fph ROP - No H2s Reported Last 24 Hrs - Well Flowing 1 gal/ min - Boiler 24 Hrs - Drill 7 7/8" Hole From 3800' To 4419' With 20,000# WOB.107 Total RPM.344 GPM,66 fph ROP

Daily Cost: $0

Cumulative Cost: $145,547

JONAH G-14-9-16 **Wait on Completion**

Date: 2/3/2010
NDSI #2 at 6050. 5 Days Since Spud - Released Rig @ 06:00 AM 2/4/10 - Clean Mud Tanks - Nipple Down Bop's,Set Slips With 88,000# Tension - 14.4 ppg with 3.54 yield Returned 50 bbls Cement To Pit. Bumped Plug To 2287 psi - 11.0 ppg With 1.24 yield Pumped Stage 2 50:50:2+3%KCL+0.5%EC-1+.25#CF+.05#SF+.3SMS+FP-6L Mixed @ - 20 bbls Mun Clean1,20 Fresh water,Stage 1 275sk PL II+3%KCL+5#CSE+0.5#CF+2#KOL+.5SMS+FP+SF Mixed @ - Hook Up BJ Services Pressure Test Lines To 4,000 psi. Set popoff To 4000 psi Pump 10 bbls Dye Water, - Rig Up BJ Cement Head Circ Hole With Rig Pump - collar Top 5994.84'/KB. 7jts Transferred To Jonah Federal X-11-9-16 (291.07') - R/U Marcus Liddells Casing Crew, Run 144 jts 5 1/2" Csg. 15.5#,J-55,LT&C,Shoe Depth 6038.89'BK Float - R/U B&C Quick Test, Test 5 1/2" Pipe Rams To 2000 psi for 10 mins Tested OK (Blowen 2 Door Gaskets) - to 3,000' Loggers TD 6032' - R/U Phoenix Surveys Log With DISGL/SP/GR Suite: TD To Surface Casing. DSN/SDL/GR/CAL Suite Logs TD - LDDP & BHA - Circ Hole For Laydown & Logs - Drill 7 7/8" Hole From 5909' To 6050' TD WOB 25,000, RPM 107,GMP 344, ROP fph 94 - Last Survey, MD 5729' Inc Angle 10.50° Drift Dir,205.00, TVD 5609' Dogleg Severity .65 - Boiler 24 Hrs - No Flow @ 5909' - No H2s Reported Last 24 Hrs. - Drill 7 7/8" Hole From 5402' To 5909' WOB 20,000, 107 RPM,344 GPM,37.5 fph avg ROP - Rig Service - Drill 7 7/8" Hole From 4958' To 5402' WOB 25,000,107 RPM,344 GPM, 44.4 fph avg ROP - Released Rig @ 06:00 AM 2/4/10 - Clean Mud Tanks - Nipple Down Bop's,Set Slips With 88,000# Tension - 14.4 ppg with 3.54 yield Returned 50 bbls Cement To Pit. Bumped Plug To 2287 psi - 11.0 ppg With 1.24 yield Pumped Stage 2 50:50:2+3%KCL+0.5%EC-1+.25#CF+.05#SF+.3SMS+FP-6L Mixed @ - 20 bbls Mun Clean1,20 Fresh water,Stage 1 275sk PL II+3%KCL+5#CSE+0.5#CF+2#KOL+.5SMS+FP+SF Mixed @ - Hook Up BJ Services Pressure Test Lines To 4,000 psi. Set popoff To 4000 psi Pump 10 bbls Dye Water, - Rig Up BJ Cement Head Circ Hole With Rig Pump - collar Top 5994.84'/KB. 7jts Transferred To Jonah Federal X-11-9-16 (291.07') - R/U Marcus Liddells Casing Crew, Run 144 jts 5 1/2" Csg. 15.5#,J-55,LT&C,Shoe Depth 6038.89'BK Float - R/U B&C Quick Test, Test 5 1/2" Pipe Rams To 2000 psi for 10 mins Tested OK (Blowen 2 Door Gaskets) - to 3,000' Loggers TD 6032' - R/U Phoenix Surveys Log With DISGL/SP/GR Suite: TD To Surface Casing. DSN/SDL/GR/CAL Suite Logs TD - LDDP & BHA - Circ Hole For Laydown & Logs - Drill 7 7/8" Hole From 5909' To 6050' TD WOB 25,000, RPM 107,GMP 344, ROP fph 94 - Last Survey, MD 5729' Inc Angle 10.50° Drift Dir,205.00, TVD 5609' Dogleg Severity .65 - Boiler 24 Hrs - No Flow @ 5909' - No H2s Reported Last 24 Hrs. - Drill 7 7/8" Hole From 5402' To 5909' WOB 20,000, 107 RPM,344 GPM,37.5 fph avg ROP - Rig Service - Drill 7 7/8" Hole From 4958' To 5402' WOB 25,000,107 RPM,344 GPM, 44.4 fph avg ROP **Finalized**
Daily Cost: $0
Cumulative Cost: $301,456

Pertinent Files: Go to File List